SOS SAMPLES JUST GOT BETTER

We are now utilizing Cashman Fluids Analysis for your oil, coolant and diesel fuel samples.

Please refer to the new format below, a field will only be populated when the test is performed, if a field is blank it did not meet the minimum requirements for testing and is considered no action required. **If you have a specific concern please note it when submitting your oil sample.**

Dealer Name



DEALER NAME - Dealer contact mailing address information

Phone: (555) 360-4112 Fax: (555) 360-4113 Email: DEALERSOS@CAT.COM Web: cat.com



ENGINE

Y100-49160-0001

LABEL #: 1234567890 SHOP JOB #: 42064255

SAMPLE SHIP TIME (days): 1

LC- Illinois Missouri Valley

S03858 - Milam RDF LOCATION: S03799

REGION: IA, IL, NE, KS, STL

AREA: Eastern Group

EQUIP #: 813286

CAT 836G - CAT 3456



Action Required

SERIAL #: BRL00388

COMP SERIAL #: BNT01127

Interpreted By: Lauren Christopher

Interpreted On: 10-Jun-19

OIL AND FILTER CHANGE NOTED. SILICON AND ALUMINUM INDICATE DIRT ENTRY. OXIDATION, IRON, AND LEAD ARE ELEVATED; SUGGESTING MAIN BEARING OR ROD BEARING OVERLAY WEAR. CHECK FOR OVERHEATING. HAS THE LOAD FACTOR INCREASED? CHECK BLOWBY. CONSIDER SHORTER OIL DRAINS. INSPECT FOR SOURCE OF DIRT ENTRY, RESAMPLE IN 50 HR TO MONITOR.

	SAMPLE INFORMATION									
	\triangle		1							
Sampled Date	08-Jun-19	18-Jan-19	27-Nov-18	11-Sep-18						
Sample Id	Y100-49160-0001	Y100-49019-0118	Y100-48335-0117	Y100-48257-0035						
Sampled By	Lauren C									
Lab Date	09-Jun-19	19-Jan-19	01-Dec-18	14-Sep-18						
Meter [Hr]	26104	25394	25165	24833						
Comp Meter [Hr]	710									
Meter On Fluid	710	561	332	470						
Fluid Brand	CAT	CAT	CAT	CAT						
Fluid Weight	15W-40	15W-40	15W-40	15W-40						
Fluid Type										
Fluid Change	Υ	U	N	Υ						
Filter Change	Υ	U	N	Υ						
Make Up Fluid [L]	10									
Kidney Loop	U			U						
PM Level	Quarterly									

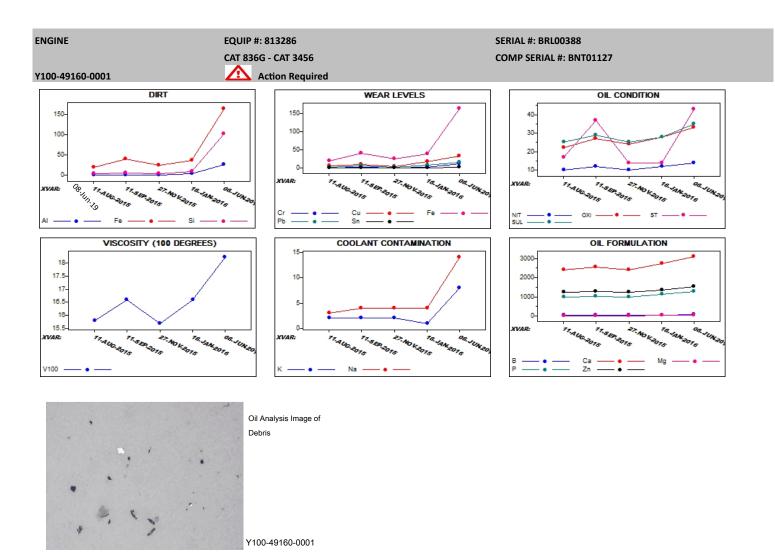
	WEAR LEVELS / OIL ADDITIVES								
		08-Jun-19	18-Jan-19	27-Nov-18	11-Sep-18				
MET	METALS (ppm) ASTM D1234								
Cu	Copper	33	16	4	8				
Fe	Iron	163	37	24	40				
Cr	Chromium	10	1	0	1				
Al	Aluminum	26	4	1	1				
Pb	Lead	15	7	2	5				
Sn	Tin	1	0	0	0				
Si	Silicon	102	9	3	5				
Na	Sodium	14	4	4	4				
K	Potassium	8	1	2	2				
Мо	Molybdenum	15	9	9	8				
Ni	Nickel	5	0	0	0				
Ag	Silver	0	0	0	0				
Ti	Titanium	2	1	0	0				
V	Vanadium	0	0	0	0				
Mn	Manganese	2	0	0	0				
Cd	Cadmium	0	0	0	0				
Ca	Calcium	3081	2733	2410	2542				
Р	Phosphorus	1262	1123	1001	1018				
Zn	Zinc	1529	1367	1248	1295				
Mg	Magnesium	32	24	21	21				
Ва	Barium	1	0	0	0				
В	Boron	63	56	53	40				

				PF	KEVIC	0088	AIVIP	'LE				
OXIDAT	ION,	BRONZ	ZE,	AND	IRON	READ	DINGS	HA	VE INC	REASE	D. C	HECK
FOR (OVER	HEATIN	G,	OR	OPERA	TION	AT	A H	HIGHER	LOAD	FAG	CTOR.
OTHER	ANA	ALYSIS	RE	ADING	SS AP	PEAR	TO	BE	ACCEP	TABLE.	IF	NOT
DONE	ALRI	EADY,	OIL	CH	ANGE	RECO	OMEN	DED.	CONTI	NUE	NOR	MALLY
SCHEDI	JI FD	SAMPI	ING									

For additional sample history, go to

	OIL CONDITION / OIL CONTAMINATION								
		08-Jun-19	18-Jan-19	27-Nov-18	11-Sep-18				
VISCO	SITY (cst) ASTM D1234								
V100	Viscosity at 100 C	18.2	16.6	15.7	16.6				
INFRAI	RED ASTM D1234								
ST	Soot	43	14	14	37				
OXI	Oxidation	33	28	24	27				
SUL	Sulfur Products	35	28	25	29				
NIT	Nitration	14	12	10	12				
WATE	R								
W	Water	N	N	N	N				
ANTIF	REEZE								
A	Antifreeze	N	N	N	N				
FUEL									
F	Fuel	N	N	N	N				

Special message from the dealer.



Customer Name
Organization Name
Address, City, State
Zip, Country

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or component thereof. Document #1

Oil Analysis Report