


Evaluation Legend



Report Type → Oil
Analysis Report

CUSTOMER NAME
ADDRESS
CITY STATE ZIP

← Customer Information

← Sampled Equipment Info.

Equipment Information			
Component	Differential	Sample Point	
Make	CATERPILLAR	Model	793C
Unit Number	XXX	Serial Number	AXXXXOOO
Meter	94,137	Component Meter	9488
Jobsite	Default Site	Sample Site	

← Sample Overall Evaluation **C**

← Sampled Fluid Info.

Fluid Information			
Fluid Type	MOBIL MOBILTRANS HD	Fluid Grade	60 WT
Fluid Meter	1,297	Filter Changed	N
Fluid Changed	N	Test Package	

← Lab Number/Sample ID Lab No 000000000

← Sample Comments and Date

Analyst Comments			
Sample Date	10/13/2014	Entered	10/15/2014
Analyzed	10/15/2014		
<p>Wear Rate Analysis is acceptable for the operating time on the oil. Total Ferrous Debris (ppL) index appears acceptable. Particle count indicates continued high particulate contamination. If applicable, inspect filter(s) for visual and microscopic metal debris as a precaution. Larger wear particles, if present, may be contained in the filter. Use ultra-high efficiency filter elements OR kidney loop filtration to reduce particulate contamination. Filter oil to ISO 20/18/15 or better cleanliness for maximum component life. Resample after 50 hours to monitor closely for increasing particulate contamination.</p>			

Element	UOM	E	Min/Max	Current	09/23/2014	09/01/2014	08/11/2014	07/28/2014	New Oil/Ref
SAMPLE DETAILS									
Lab No	-	-		0000000000	0000000000	0000000000	0000000000	0000000000	
Meter	-	-		94137	93801	93465	93085	92840	
Fluid Meter	-	-		1297	961	625	245	8191	
Comp Meter	-	-		9488	9152	8816	8436	8191	
Evaluation	-	-		C	C	C	A	A	
CRACKLE : Water Content by Crackle Test : In-House									
Water	-	Z		Neg	Neg	Neg	Neg	Neg	
V100 : Viscosity @ 100°C : ASTM D445									
V100	cSt			25.6	26.2	25.7	25.5	25.5	
ICP : Inductively Coupled Plasma : ASTM D5185									
Fe	ppm			26	20	19	12	34	
Cu	ppm			2	1	1	0	3	
Pb	ppm			0	0	0	0	0	
Sn	ppm			0	0	0	0	0	
Cr	ppm			0	0	0	0	0	
Ni	ppm			2	2	2	1	3	
Ti	ppm			0	0	0	0	0	
Al	ppm			2	1	2	1	1	

Sample Results

UOM = this is the unit of measure

E = the evaluation of the individual element against the statistical limits *

Min/Max = this will display the minimum and maximum statistical limit applied against the evaluation for an element *

Sample Results – these are displayed in the order of the most recent first as the Current Sample.

New Oil/Ref = if you have submitted a baseline oil sample this will display your baseline results here for comparison.

Sample Details

Lab No = the Sample ID assigned to your fluid sample

Meter = the Equipment’s Meter Reading at time of sample

Fluid Meter = this represents the hours of usage this fluid has been used in the component

Comp Meter = the component’s used.

Evaluation = this is the evaluation of the sample made by the interpreter

*Limits may not be applicable in all situations. Please contact Cashman Fluids Analysis for further information.