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# PROACTIVE FLUID ANALYSIS

## Lubricant & Component • Predictive Results



CUSTOMER INFORMATION	UNIT INFORMATION	PM SERVICE INFORMATION
KENNECOTT KOS SOUTH Attn: John Lorenzo PO BOX 539 REFINERY MAGNA, UT 84044 P: 8015697486 F:	<b>Unit:</b> FORD F-350 7.3L <b>Equip Make:</b> FORD <b>Equip Model:</b> F-350 <b>Equip Serial:</b> FORD F-350 7.3L <b>Component:</b> ENGINE	<b>Location:</b> ? <b>Market Status:</b> <b>Interpreted By:</b> Aaron Clement <b>Evaluation:</b> A : No Action Required
		<b>Oil Brand:</b> ROYAL PURPLE <b>Oil Blend:</b> 15W40 <b>Work Order:</b> <b>Serv Interval:</b> <b>S.S. Sample:</b>

Particle count has reached the maximum allowable limit for this compartment. All elemental readings are at acceptable levels. Recommend filtering system to lower particle count and remove contaminants from system. Resample at the recommended interval.

SAMPLE INFORMATION			ELEMENT ANALYSIS (PartsPer Million)																							
Date Taken	Hrs/Miles		Cu	Fe	Cr	Pb	Sn	Al	Si	Na	K	Ca	P	Zn	Mg	Mo	B	Ba	Mn	Ag	Ni	Ti	V	Cd		
	On Unit	On Oil	Copper	Iron	Chromium	Lead	Tin	Aluminium	Silicon	Sodium	Potassium	Calcium	Phosphorus	Zinc	Magnesium	Molybdenum	Boron	Barium	Manganese	Silver	Nickel	Titanium	Vanadium	Cadmium		
12/Jun/12	300000	2,000	3	27	1	2	0	2	8	5	1	2859	1246	1367	36	32	56	4	0	0	0	1	0	0		

OIL CHANGE HISTORY			FT-IR ANALYSIS				PARTICLE COUNT							PHYSICAL				
Date Taken	Changed		Label Visc	Oil Condition				ISO	4µ	6µ	14µ	21µ	38µ	70µ	Visc@100degC	Glycol	Water	Fuel Dilution
	Oil	Filter		ST	OXI	NIT	SUL											
12/Jun/12	N	N	15W40	0	16	6	20	24/20/16	80388	9126	367	104	19	0	12.8	N	N	N

KENNECOTT KOS SOUTH  
Attn: John Lorenzo  
PO BOX 539  
REFINERY  
MAGNA, UT84044

A : No Action Required

# 1206140246 CATERPILLAR CERTIFIED - FULL SERVICE LABORATORY

Date Processed 6/14/2012

FYI - This sample took 2 days to reach the lab.

The provision of data analysis is intended as an aid in predicting mechanical wear and should be used in conjunction with ( and not as a replacement for ) your normal maintenance routine for the care of your machinery. All reasonable care will be taken in the processing of the samples and/or data supplied by the user but no responsibility will be accepted for failure of any machinery or part or parts of machinery where fluid samples, inspection or other data has been provided to Wheeler Machinery Co. for analysis. The user remains entirely responsible for the proper maintenance and care of the subject machinery. Wheeler Machinery Co. disclaims all warranties, either express or implied, including, but not limited to, implied warranties of merchantability of fitness for a particular purpose with regard to the services provided. In no event, will Wheeler Machinery Co. be liable for incidental, consequential, or economic loss resulting from the use of these services.