



UNIT ID
F17225 E
SECOND ID
TH262003
UNIT TYPE
DIESEL ENGINE
APPLICATION
TRANSPORTATION



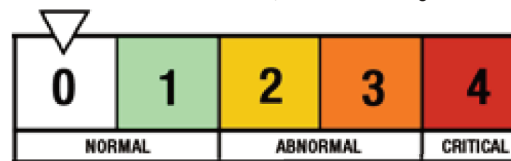
POLARIS
Laboratories

COMPANY INFORMATION
ABC COMPANY
1234 MAIN STREET
ANYTOWN, US 99999-1234

ACCOUNT NUMBER
DATE SAMPLED 05/18/10
DATE RECEIVED 06/09/10
DATE COMPLETED 06/10/10

TRACKING #
MANUFACTURER/MODEL INTERNATIONAL DT466
LUBE MFR CHEVRON
LUBE TYPE - GRADE URSA SUPER PLUS EC SAE 15W40
MICRON RATING 15
FILTER TYPE FULLFLOW
SUMP CAPACITY 8.00
HYD SYSTEM PRESSURE 0
FLUID ADDED

OVERALL SEVERITY OF REPORT
based on comments, not individual flags



LAB # 643488
LOCATION I

For extended drain programs, the Data Analyst will evaluate all pertinent data on fluid condition, contamination levels and rate of wear. A recommendation will be made as to how long the user should continue to use the oil and when to resample or when to change the oil and/or filter.

FLUID ANALYSIS REPORT - 866-341-0487

COMMENTS Unit and fluid in satisfactory condition; Continue to use fluid for 2,500 miles (4,000km) and resample at that time;

SAMP #	WEAR METALS PPM					CONTAMINANT METALS - PPM					MULTI-SOURCE METALS - PPM												
	IRON	CHROMIUM	NICKEL	ALUMINUM	COPPER	LEAD	CADMIUM	SILV	VANADIUM	SILIC	SODIUM	POTASSIUM	TITANIUM	MOLYBDE	ANTIMON	MANGANE	LITHIUM	BORON	NESEIUM	ALICIUM	BARIIUM	HOROUS	ZINC
2	10	0	0	2	1	2											0	222	389	3018	0	1041	1226
3	6	0	0	1	8	2											0	118	239	2470	0	831	1016
4	6	0	0	0	0	0											0	120	243	2519	0	912	1089
5	9	0	0	2	1	2											0	134	265	2767	1	1017	1213

The sample #2 indicates that the lubricant was changed. Time on both the unit and the lube has been included for samples 3 - 5. The analyst has recommended extending the interval to an additional 2,500 miles because since then, TBN has decreased only slightly and Viscosity and Oxidation/Nitration have remained relatively unchanged. There is very little contamination from fuel, soot or water and wear metals are all at acceptable levels.

SAMP #	DATE SAMPLED	DATE RECEIVED	UNIT TIME	LUBE TIME	LUBE CHG	FILTER CHG	FUEL GC	SOOT Vol.	WATER Infrared	VIS 40C CS	VIS 100C CS	TAN Total Acid	TBN Total Base	I-R OXIDA	I-R NITRA	ISO CODE	4	6	10	14	21	38	70	100	
																	MICRON	MICRON	MICRON	MICRON	MICRON	MICRON	MICRON		
2	12/16/08	12/22/08	150628	4710	Y	Y	<1%	<.1%	<.1	13.8	2.17	8.67	9	13											
3	12/12/09	12/23/09	152494	1866	N	N	1.8%	<.1%	<.1	13.2	2.83	9.12	13	11											
4	03/06/10	03/16/10	152494	1866	N	N	0.9%	<.1%	<.1	13.1	2.99	8.95	8	10											
5	05/18/10	06/09/10	154356	3728	N	N	1.0%	<.1%	<.1	13.3	2.74	8.75	11	12											

SAMP #	2	3	4	5

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Missing lube or unit time limits the evaluation. No warranty is expressed or implied.

