

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

PETERBILT 514068

Component Diesel Engine Fluid MOBIL DELVAC ELITE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components.

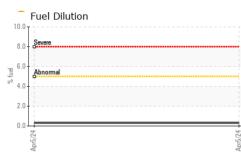
Fluid Condition

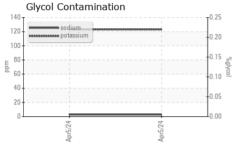
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

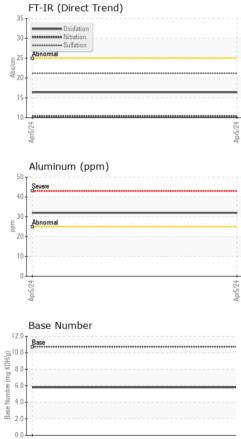
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111263		
Sample Date		Client Info		05 Apr 2024		
Machine Age	hrs	Client Info		581		
Oil Age	hrs	Client Info		581		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	57		
Chromium	ppm	ASTM D5185m		<1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m		32		
Lead	ppm	ASTM D5185m	>45	<1		
Copper	ppm	ASTM D5185m		25		
Tin	ppm	ASTM D5185m	>4	2		
Vanadium	ppm	ASTM D5185m		- <1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	innibase	45		
Barium	ppm ppm	ASTM D5185m		4J <1		
Molybdenum	ppm	ASTM D5185m		12		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m		5 748		
Calcium	ppm	ASTM D5185m		1373		
Phosphorus	ppm	ASTM D5185m		725		
Zinc	ppm	ASTM D5185m		845		
Sulfur	ppm	ASTM D5185m		3254		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	17		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	123		
Fuel	%	ASTM D3524	>5	0.3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	10.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4		
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	5.8		

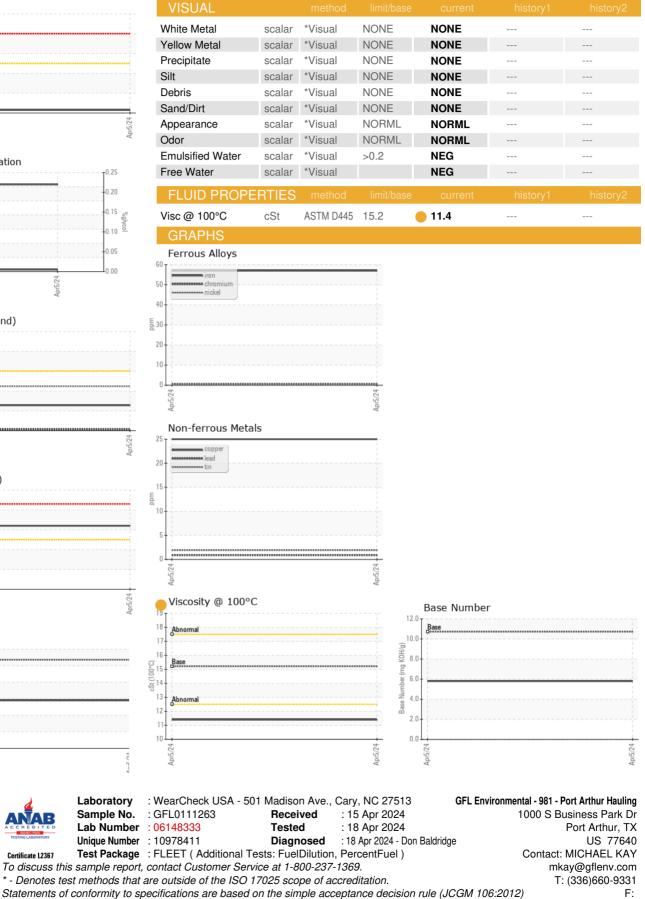


OIL ANALYSIS REPORT









Report Id: GFL981 [WUSCAR] 06148333 (Generated: 04/18/2024 10:36:47) Rev: 1

Certificate 12367

Submitted By: MICHAEL KAY

Page 2 of 2