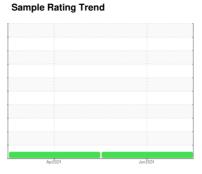


OIL ANALYSIS REPORT

[WO36108] FREIGHTLINER FREIGHTLINER TRK 2008

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

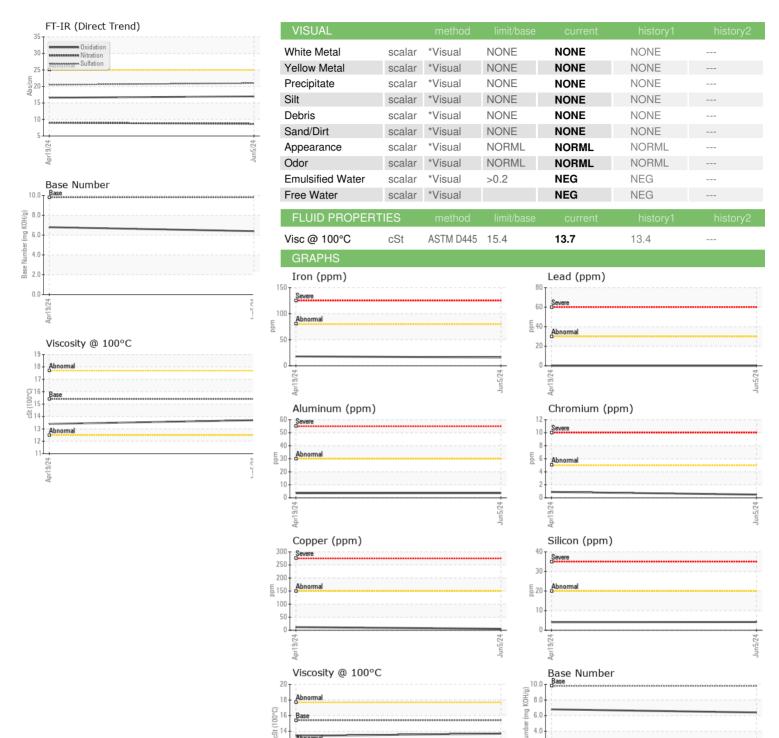
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

AL)			Apr2024	Jun2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0903646	WC0903645	
Sample Date		Client Info		05 Jun 2024	19 Apr 2024	
Machine Age	mls	Client Info		159632	125770	
Oil Age	mls	Client Info		33862	36101	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	16	18	
Chromium	ppm	ASTM D5185m	>5	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>30	4	4	
Lead	ppm	ASTM D5185m	>30	0	0	
Copper	ppm	ASTM D5185m	>150	6	12	
Γin	ppm	ASTM D5185m	>5	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	4	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	54	53	
Manganese	ppm	ASTM D5185m	0	0	0	
Magnesium	ppm	ASTM D5185m	1010	856	789	
Calcium	ppm	ASTM D5185m	1070	1180	1219	
Phosphorus	ppm	ASTM D5185m	1150	966	953	
Zinc	ppm	ASTM D5185m	1270	1180	1165	
Sulfur	ppm	ASTM D5185m	2060	2900	2874	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	4	
Sodium	ppm	ASTM D5185m		<1	1	
Potassium	ppm	ASTM D5185m	>20	6	6	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.5	
Nitration	Abs/cm	*ASTM D7624	>20	8.7	9.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.0	20.5	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
FLUID DEGRAD Oxidation Base Number (BN)	Abs/.1mm	method *ASTM D7414	limit/base >25	current	history1 16.6	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0903646 Lab Number : 06214293 Unique Number: 11087157

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 19 Jun 2024 : 20 Jun 2024 Diagnosed : 20 Jun 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: TBN)

Sase 1 0.0

CAMPBELL OIL COMPANY PO BOX 637, 418 PEANUT ROAD ELIZABETHTOWN, NC

US 28337 Contact: Cassie Priest

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. cassiep@campbelloilcompany.com T: F: (910)862-4344

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)