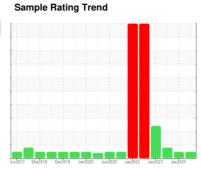


OIL ANALYSIS REPORT

Area
3000 Series Freightliner 3806T

Diesel Engine

PETRO CANADA DURON SHP 15W40 (26 LTR)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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. There is no indication of any contamination in the

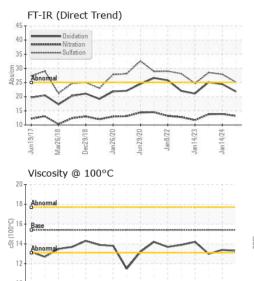
Fluid Condition

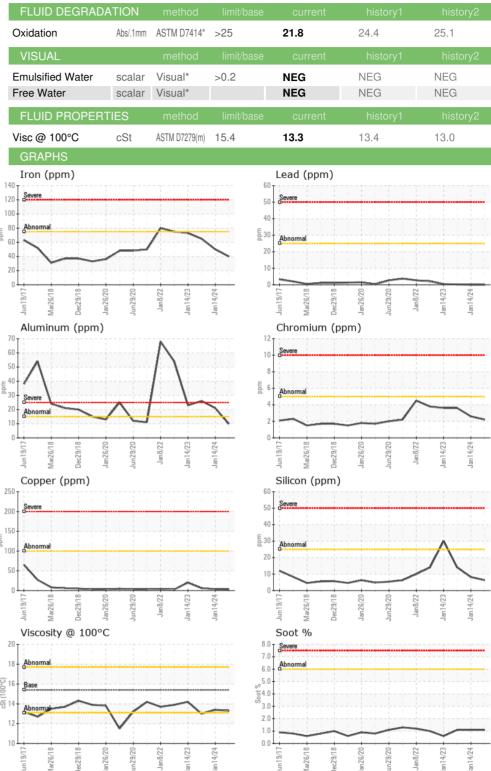
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	NOITA	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0948266	WC0886646	WC0805726
Sample Date		Client Info		22 Jun 2024	14 Jan 2024	30 Jul 2023
Machine Age	mls	Client Info		303882	291382	275168
Oil Age	mls	Client Info		12500	16216	8035
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	MARGINAL
CONTAMINATION	1	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	▲ 1.7
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	40	50	65
Chromium	ppm	ASTM D5185(m)	>5	2	3	4
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>15	10	21	26
Lead	ppm	ASTM D5185(m)	>25	0	0	<1
Copper	ppm	ASTM D5185(m)	>100	3	4	6
Tin	ppm	ASTM D5185(m)	>4	<1	<1	1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	2	2	2
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	59	59	62
Manganese	ppm	ASTM D5185(m)	0	<1	<1	3
Magnesium	ppm	ASTM D5185(m)	1010	948	933	1009
Calcium	ppm	ASTM D5185(m)	1070	1062	1142	1107
Phosphorus	ppm	ASTM D5185(m)	1150	963	980	1080
Zinc	ppm	ASTM D5185(m)	1270	1181	1168	1220
Sulfur	ppm	ASTM D5185(m)	2060	2406	2530	2297
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	8	14
Sodium	ppm	ASTM D5185(m)		2	2	3
Potassium	ppm	ASTM D5185(m)	>20	10	30	42
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.1	1.1	1.1
Nitration	Abs/cm	ASTM D7624*	>20	13.2	13.9	13.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.1	27.9	28.5



OIL ANALYSIS REPORT









Laboratory Sample No. Unique Number : 5812084 Test Package : MOB 1

Lab Number : 02646532

: WC0948266

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 MANITOULIN TRANSPORT (GARAGE) Received : 09 Jul 2024

Tested Diagnosed

: 09 Jul 2024 : 09 Jul 2024 - Wes Davis 1335 SHAWSON DRIVE MISSISSAUGA, ON **CA L4W 1C4**

Contact: Travis Spence tspence@manitoulintransport.com T:

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

F: (905)564-6361