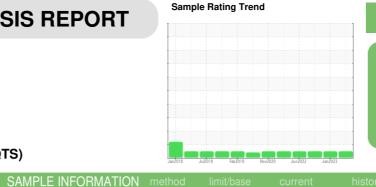


OIL ANALYSIS REPORT





NORMAL

FREIGHTLINER 484151 Component **Diesel Engine**

Fluic

PETRO CANADA DURON SHP 10W30 (18 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

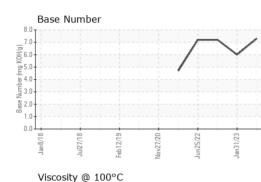
Fluid Condition

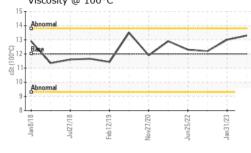
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFOR		methoa	iinii/base	current	riistory i	nistory 2
Sample Number		Client Info		PCA0097732	PCA0090031	PCA0079747
Sample Date		Client Info		16 May 2023	31 Jan 2023	24 Oct 2022
Machine Age	mls	Client Info		0	269762	250172
Oil Age	mls	Client Info		0	10000	10000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>130	70	52	86
Chromium	ppm	ASTM D5185m	>10	1	1	2
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		3	5	9
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m		2	1	2
Tin	ppm	ASTM D5185m	>4	- <1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	1-1-	method	limit/base		history 1	history 2
Boron		ASTM D5185m	2	26	14	12
Barium	ppm	ASTM D5185m	2	12	<1	0
Molybdenum	ppm	ASTM D5185m	50	97	79	88
Manganese	ppm	ASTM D5185m		<i>s₁</i> <1	<1	<1
Magnesium	ppm	ASTM D5185m	950	1198	1092	1123
Calcium	ppm ppm	ASTM D5185m	1050	1577	1407	1428
		ASTM D5185m	995	1327	1173	1233
Phosphorus Zinc	ppm		1180	1671	1540	1526
Sulfur	ppm	ASTM D5185m ASTM D5185m	2600	4046	3748	3749
	ppm					
CONTAMINAN		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	6	4	7
Sodium	ppm	ASTM D5185m	00	4	3	2
Potassium	ppm	ASTM D5185m	>20	3	4	10
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>6	0.9	0.8	1.4
Nitration	Abs/cm	*ASTM D7624	>20	16.6	14.8	16.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.3	28.4	31.5
FLUID DEGRA	DAT <u>ION</u>	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	32.5	30.0	32.0
Base Number (BN)	mg KOH/g	ASTM D2896		7.3	6.0	7.2
		DECOU			0.0	



OIL ANALYSIS REPORT







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

Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number