

OIL ANALYSIS REPORT







Component Diesel Engine

Fluid PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

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

🔺 Wear

Cylinder, crank, or cam shaft wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

GAL)		Aug	2022	Feb2023 Feb202	14	
SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0119050	PCA0093284	PCA0076735
Sample Date		Client Info		16 Feb 2024	25 Feb 2023	27 Aug 2022
Machine Age	mls	Client Info		118426	0	35353
Oil Age	mls	Client Info		118426	0	35353
Oil Changed		Client Info		Changed	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<u> </u>	<u> </u>	88
Chromium	ppm	ASTM D5185m	>20	3	6	4
Nickel	ppm	ASTM D5185m	>4	1	1	0
Titanium	ppm	ASTM D5185m		3	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	21	54	36
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	29	200	224
Tin	ppm	ASTM D5185m	>15	2	6	5
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	4	16	26
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	58	43	42
Manganese	ppm	ASTM D5185m	0	2	6	5
Magnesium	ppm	ASTM D5185m	950	916	531	489
Calcium	ppm	ASTM D5185m	1050	1213	1656	1688
Phosphorus	ppm	ASTM D5185m	995	1110	733	672
Zinc	ppm	ASTM D5185m	1180	1359	936	919
Sulfur	ppm	ASTM D5185m	2600	2392	1738	1773
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	10	8
Sodium	ppm	ASTM D5185m		2	4	4
Potassium	ppm	ASTM D5185m	>20	41	136	98
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.9	1.6	0.9
Nitration	Abs/cm	*ASTM D7624	>20	18.8	19.6	15.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.7	29.8	25.9
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	37.2	40.7	31.1
Base Number (BN)	ma KOH/a	ASTM D2896		2 .0	3.8	6.5



OIL ANALYSIS REPORT





Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number : 10910625

:06107128

Contact/Location: ROSTY VITER - MILPHINE