

OIL ANALYSIS REPORT

(89756X) Walgreens - Tractor [Walgreens - Tractor] 136A67195

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 GAL)

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 Rating Trend



			JUN2025	0612023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0093465	PCA0093552	
Sample Date		Client Info		20 Oct 2023	24 Jun 2023	
Machine Age	mls	Client Info		520895	510908	
Oil Age	mls	Client Info		9987	510908	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATI	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	11	10	
Chromium	ppm	ASTM D5185m	>4	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	<1	
Titanium	ppm	ASTM D5185m		12	2	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m		2	2	
Lead	ppm	ASTM D5185m	>45	- <1	0	
Copper	ppm	ASTM D5185m		5	<1	
Tin	ppm	ASTM D5185m	>4	0	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	18	17	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	51	54	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	950	856	765	
Calcium	ppm	ASTM D5185m	1050	1219	1200	
Phosphorus	ppm	ASTM D5185m	995	968	991	
Zinc	ppm	ASTM D5185m	1180	1240	1165	
Sulfur	ppm	ASTM D5185m	2600	3301	3202	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	7	7	
Sodium	ppm	ASTM D5185m		2	0	
Potassium	ppm	ASTM D5185m	>20	<1	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	9.3	7.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.4	18.4	
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	14.1	
	1/011/				o 1	
Base Number (BN)	mg KOH/g	ASTM D2896		8.9	9.1	

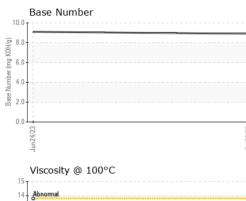


13 cSt (100°C) 11 Base

10 Abnormal

> 8. Jun24/23

OIL ANALYSIS REPORT



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