

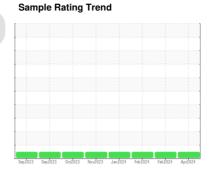
OIL ANALYSIS REPORT





Area
BD SHOP 200295 **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (40 LTR)





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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0926306	WC0888884	WC0888885
Sample Date		Client Info		09 Apr 2024	22 Feb 2024	22 Feb 2024
Machine Age	kms	Client Info		201150	182122	182123
Oil Age	kms	Client Info		19028	59819	1
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
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)	>120	13	35	1
Chromium	ppm	ASTM D5185(m)	>20	0	1	0
Nickel	ppm	ASTM D5185(m)	>15	2	10	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	6	1
Lead	ppm	ASTM D5185(m)	>40	0	3	0
Copper	ppm	ASTM D5185(m)	>330	12	60	1
Tin	ppm	ASTM D5185(m)	>15	0	1	0
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)	2	3	1	4
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	59	61	56
Manganese	ppm	ASTM D5185(m)		<1	<1	0
Magnesium	ppm	ASTM D5185(m)	950	967	934	926
Calcium	ppm	ASTM D5185(m)		1040	1104	988
Phosphorus	ppm	ASTM D5185(m)	995	977	866	987
Zinc	ppm	ASTM D5185(m)		1194	1152	1113
Sulfur	ppm	ASTM D5185(m)	2600	2542	2414	2727
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2	7	4
Sodium	ppm	ASTM D5185(m)	00	1	2	<1
Potassium	ppm	ASTM D5185(m)	>20	2	12	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0.1	0.5	0
Nitration	Abs/cm	ASTM D7624*	>20	7.5	11.5	4.4
Nitration(Diff)	Abs/cm	ASTM E2412*	< 25	7.1	16.1	0.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.4	22.8	17.9
Sulfation(Diff)	Abs/cm	ASTM E2412*		2.5	8.1	0.8
7:57:07) Rev: 1					Submitted By: William Ridley	



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CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No.

Unique Number : 5760914

Lab Number : 02627782

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0926306

Received : 10 Apr 2024 **Tested** : 10 Apr 2024

Diagnosed : 11 Apr 2024 - Kevin Marson

Test Package : MOB 2 (Additional Tests: FT-IR(Diff)) 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.

WFR Technical Services

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Submitted By: William Ridley