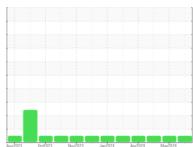


OIL ANALYSIS REPORT

Sample Rating Trend









Area
BD SHOP
200304
Component
Diesel Engine

PETRO CANADA DURON SHP 10W30 (40 LTR)

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

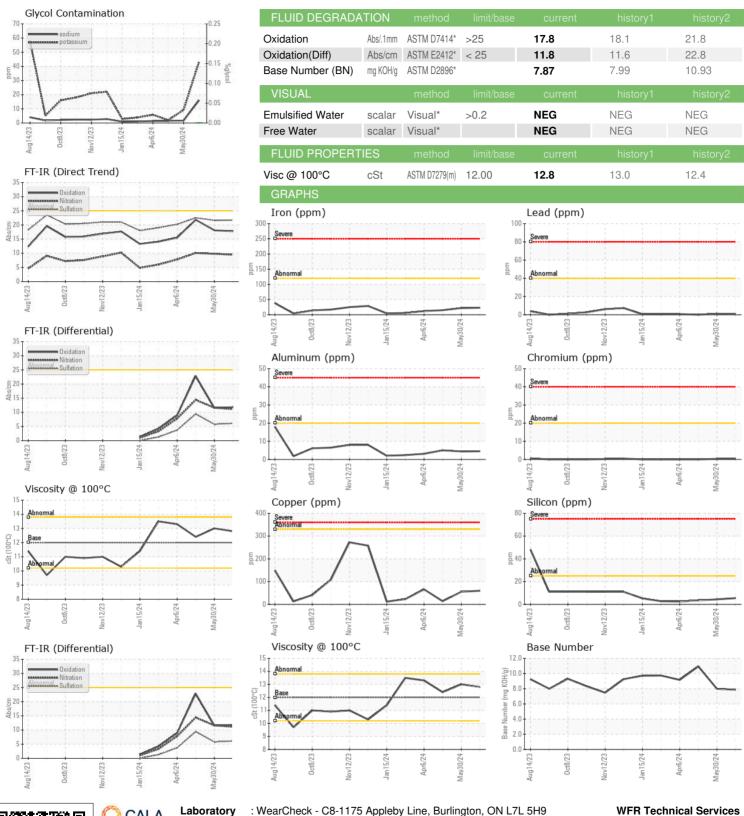
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0926282	WC0926295	WC0926322
Sample Date		Client Info		10 Jun 2024	30 May 2024	12 May 2024
Machine Age	kms	Client Info		162822	155421	149032
Oil Age	kms	Client Info		59904	52503	46114
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	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
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>120	23	22	15
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	0
Nickel	ppm	ASTM D5185(m)	>5	2	2	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	4	4	5
Lead	ppm	ASTM D5185(m)	>40	<1	1	0
Copper	ppm	ASTM D5185(m)	>330	60	55	14
Tin	ppm	ASTM D5185(m)	>15	1	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	2	2	60
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	63	62	50
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	971	933	971
Calcium	ppm	ASTM D5185(m)	1050	1070	1072	1319
Phosphorus	ppm	ASTM D5185(m)	995	909	900	771
Zinc	ppm	ASTM D5185(m)	1180	1159	1125	904
Sulfur	ppm	ASTM D5185(m)	2600	2052	2031	2000
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	4	4
Sodium	ppm	ASTM D5185(m)		16	2	1
Potassium	ppm	ASTM D5185(m)	>20	43	9	2
Glycol	%	ASTM D7922*		0.0	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0.5	0.5	0.3
Nitration	Abs/cm	ASTM D7624*	>20	9.5	9.8	10.1
Nitration(Diff)	Abs/cm	ASTM E2412*	< 25	11.1	11.6	14.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.7	21.6	22.5
Sulfation(Diff)	Abs/cm	ASTM E2412*		6.1	5.8	9.4 v: William Ridle

Submitted By: William Ridley



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02641595 Unique Number : 5799134

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0926282 Received : 13 Jun 2024

Tested : 14 Jun 2024 Diagnosed : 14 Jun 2024 - Kevin Marson

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

5389 Riverside Drive Burlington, ON CA L7L 3Y1 Contact: William Ridley wfr.technical.services@gmail.com

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