

OIL ANALYSIS REPORT

BD SHOP
Machine Id
200294

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (40 LTR)

Sample Rating Trend



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

An increase in the copper level is noted. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

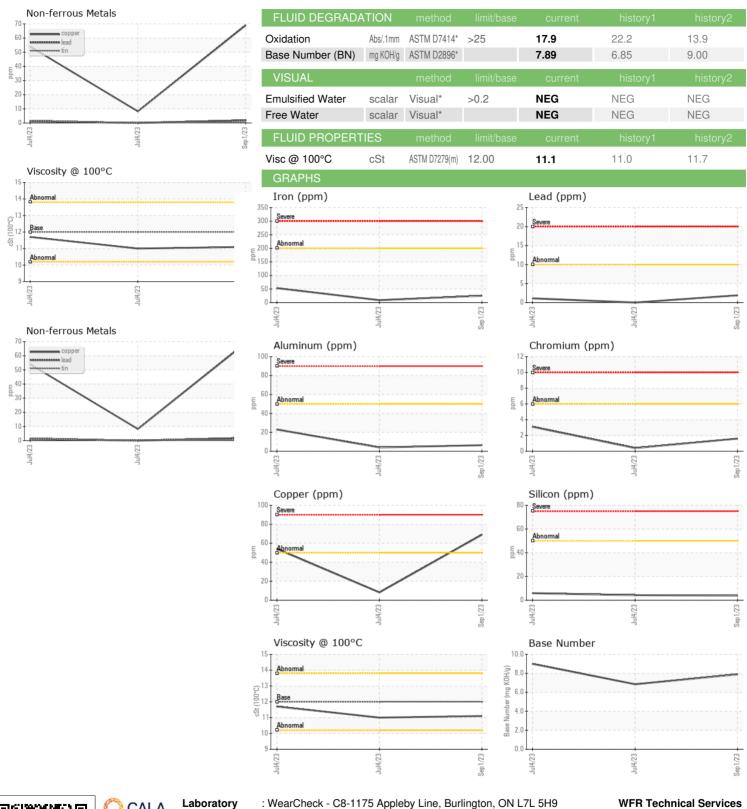
Fluid Condition

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

SAMPLE INFORMATION method	limit/base			
				history2
Sample Number Client Info		WC0852026	WC0814947	WC0814948
Sample Date Client Info		01 Sep 2023	04 Jul 2023	04 Jul 2023
Machine Age kms Client Info		157160	131444	131445
Oil Age kms Client Info		25712	69683	0
Oil Changed Client Info		Not Changd	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL
CONTAMINATION method	limit/base	current	history1	history2
Fuel WC Method	>3.0	<1.0	<1.0	<1.0
Glycol WC Method		NEG	NEG	NEG
WEAR METALS method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>200	25	53	9
Chromium ppm ASTM D5185(m)	>6	2	3	<1
Nickel ppm ASTM D5185(m)	>3	<1	<1	<1
Titanium ppm ASTM D5185(m)	>2	<1	<1	0
Silver ppm ASTM D5185(m)	>2	<1	0	0
Aluminum ppm ASTM D5185(m)	>50	6	23	4
Lead ppm ASTM D5185(m)	>10	2	1	0
Copper ppm ASTM D5185(m)	>50	69	54	8
Tin ppm ASTM D5185(m)	>6	<1	2	<1
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	4	6	6
Barium ppm ASTM D5185(m)	0	0	0	0
Molybdenum ppm ASTM D5185(m)	50	62	62	57
Manganese ppm ASTM D5185(m)	0	<1	1	<1
MagnesiumppmASTM D5185(m)	950	989	970	927
Calcium ppm ASTM D5185(m)	1050	1108	1248	1030
Phosphorus ppm ASTM D5185(m)	995	1042	1024	1021
Zinc ppm ASTM D5185(m)	1180	1199	1179	1117
Sulfur ppm ASTM D5185(m)	2600	2042	1830	2406
Lithium ppm ASTM D5185(m)		<1	<1	<1
CONTAMINANTS method	limit/base	current	history1	history2
	>50	4	6	4
Sodium ppm ASTM D5185(m)		2	3	1
Potassium ppm ASTM D5185(m)	>20	14	55	8
INFRA-RED method	limit/base	current	history1	history2
Soot %	>3	0.6	1.1	0.1
Nitration Abs/cm ASTM D7624*	>20	9.2	11.4	5.5
ADS/GIT ACTIVID/OLY				



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: WC0852026 : 02580181

: 5633241 Test Package : MOB 2

Received : 05 Sep 2023 Diagnosed

: 05 Sep 2023 Diagnostician : Kevin Marson

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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