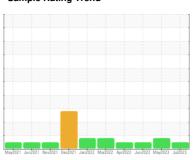


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id OE1247

Component **Diesel Engine**

PETRO CANADA DURON UHP 5W40 (7 LTR)

DIAGNOSIS

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.

R)		May2021 Juna	021 Nov2021 Dec2021 Jan2	022 Mar2022 Apr2022 Jun2022 Mar	2023 Jul2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0077042	PC0056408	PC0064579
Sample Date		Client Info		28 Jul 2023	31 May 2023	02 Jun 2022
Machine Age	hrs	Client Info		4016	3377	12600
Oil Age	hrs	Client Info		500	500	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	8	13	3
Chromium	ppm	ASTM D5185(m)	>20	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	3	1
Lead	ppm	ASTM D5185(m)	>40	0	<1	0
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	<1	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)	65	35	45	45
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	65	57	65	53
Manganese	ppm	ASTM D5185(m)	0	<1	<1	0
Magnesium	ppm	ASTM D5185(m)	1160	1140	1189	1067
Calcium	ppm	ASTM D5185(m)	820	828	953	819
Phosphorus	ppm	ASTM D5185(m)	1160	1023	1084	996
Zinc	ppm	ASTM D5185(m)	1260	1212	1282	1141
Sulfur	ppm	ASTM D5185(m)	3000	2647	2790	2630
Lithium	ppm	ASTM D5185(m)		<1	<1	0
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	8	4
Sodium	ppm	ASTM D5185(m)		4	5	4
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	14.1	15.1	9.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.7	27.5	22.7



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number Unique Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GIPI)-286-Shoring & Foundations : PC0077042

: 02578726 : 5631786

Received Diagnosed

: 28 Aug 2023 : 29 Aug 2023

Diagnostician : Kevin Marson Test Package : MOB 2 (Additional Tests: KV40, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.

151 Ram Forest Rd, Stouffville, ON CA L4A 2G8 Contact: Shannon Abbott sabbott@gipi.com

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.

F:

T: (905)750-5900