

OIL ANALYSIS REPORT

Area Main Power Generation [450 00001

Generator - MPG (Port) Starting Engine Crank Case (S/N

Diesel Engine

Fluid PETRO CANADA DURON MOTOR OIL SAE

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

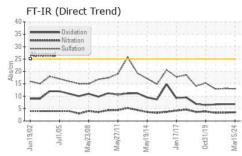
50292066]						
N Sample Tag XX-8	0201 - S2)					
i pi g	,					
40 (37 LTR)						
. ,		Jn2002 Jul	2005 May2008 May20	011 May2014 Jan2017 Oct2	019 Mar202	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0076431	PC	PC0052563
Sample Date		Client Info		15 Mar 2024	15 Dec 2023	22 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	14	11	11
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)		2	2	1
Lead	ppm	ASTM D5185(m)	>40	2	2	2
Copper	ppm	ASTM D5185(m)		3	3	3
Tin	ppm	ASTM D5185(m)	>15	1	1	1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium Cadmium	ppm	ASTM D5185(m) ASTM D5185(m)		0	0	0
	ppm				-	-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1.0	1	1	2
Barium	ppm	ASTM D5185(m)	1.0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	1.0	4	5	6
Vanganese	ppm	()	1	0	0	<1
Magnesium Calcium	ppm	ASTM D5185(m)	15 2540	918	899 1005	936 1004
Phosphorus	ppm	ASTM D5185(m) ASTM D5185(m)	1000	1012 1023	1005	1148
Zinc	ppm ppm	ASTM D5185(m)	1110	1200	1186	1242
Sulfur	ppm	ASTM D5185(m)	3700	2586	2825	2762
Lithium	ppm	ASTM D5185(m)	0700	<1	<1	<1
CONTAMINAN		method	limit/base		history1	history2
Silicon		ASTM D5185(m)	>25	24	21	21
Sodium	ppm ppm	ASTM D5185(m)	>20	24	2	2
Potassium	ppm	ASTM D5185(m) ASTM D5185(m)	>20	2 <1	<1	<1
INFRA-RED		method	limit/base		history1	history2
	%			0	0	0
Soot % Nitration	% Abs/cm	ASTM D7844* ASTM D7624*	>3 >20	0 3.5	3.4	3.3
Sulfation	Abs/cm Abs/.1mm	ASTM D7624 ASTM D7415*	>20 >30	3.5 13.0	13.1	12.9
Julialion	MU5/. [[[[[]]	AUTIVI D/410	200	13.0	13.1	12.3

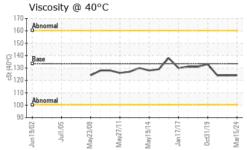
Sample Rating Trend

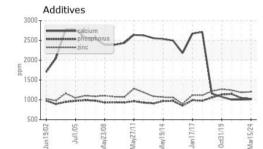
NORMAL

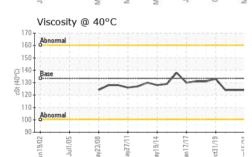


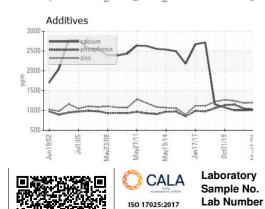
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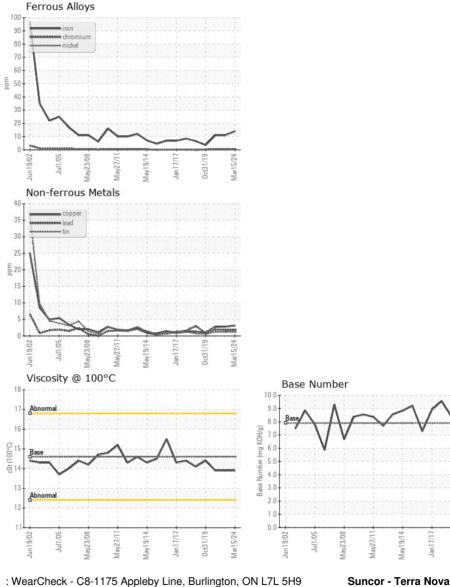












: 02 Apr 2024

: 04 Apr 2024

: 04 Apr 2024 - Kevin Marson

Suncor - Terra Nova Projects Scotia Centre, 235 Water Strret St. John`s, NL CA A1C 1B6 Contact: Josh Hynes joshynes@suncor.com T: (709)778-3575 F: (709)724-2835

Mar15/24

6.7

8.07

NEG

NEG

124

13.9

109

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.

Test Package : MAR 2 (Additional Tests: KV40, VI)

: PC0076431

: 02625947

Unique Number : 5759079

Received

Diagnosed

Tested

Accredited

Laboratory