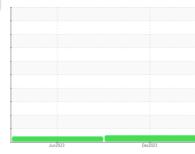


OIL ANALYSIS REPORT

ORIN CONTRACTORS 222

Component

Diesel Engine



Sample Rating Trend



PETRO CANADA 10W30 (GAL)				Jun 2023	Dec2023		
DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
ecommendation	Sample Number		Client Info		WC0872982	LH0261614	
esample at the next service interval to monitor.	Sample Date		Client Info		06 Dec 2023	21 Jun 2023	
ear	Machine Age	hrs	Client Info		0	594	
I component wear rates are normal.	Oil Age	hrs	Client Info		0	0	
ontamination	Oil Changed		Client Info		Changed	Changed	
nere is no indication of any contamination in the	Sample Status				NORMAL	ABNORMAL	
	CONTAMINATION	V	method	limit/base	current	history1	history2
uid Condition	Fuel		WC Method	>5	<1.0	0.6	
The condition of the oil is acceptable for the time in service.	Water		WC Method		NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185(m)		55	56	
	Chromium	ppm	ASTM D5185(m)		1	1	
	Nickel	ppm	ASTM D5185(m)		<1	<1	
	Titanium	ppm	ASTM D5185(m)		0	<1	
	Silver	ppm	ASTM D5185(m)	>3	0	0	
	Aluminum	ppm	ASTM D5185(m)		6	5	
	Lead	ppm	ASTM D5185(m)		5	7	
	Copper	ppm	ASTM D5185(m)		128	273	
	Tin	ppm	ASTM D5185(m)		<1	<1	
	Antimony	ppm	ASTM D5185(m)		0	0	
	Vanadium	ppm	ASTM D5185(m)		0	<1	
	Beryllium	ppm	ASTM D5185(m)		0	0	
	Cadmium	ppm	ASTM D5185(m)		0	0	
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185(m)		1	5	
	Barium	ppm	ASTM D5185(m)		0	0	
	Molybdenum	ppm	ASTM D5185(m)		53	23	
	Manganese	ppm	ASTM D5185(m)		<1	1	
	Magnesium	ppm	ASTM D5185(m)		811	296	
	Calcium	ppm	ASTM D5185(m)		1369	1970	
	Phosphorus	ppm	ASTM D5185(m)		860	898	
	Zinc	ppm	ASTM D5185(m)		1207	1076	
	Sulfur	ppm	ASTM D5185(m)		2517	2651	
	Lithium	ppm	ASTM D5185(m)		<1	1	
	CONTAMINANTS	;	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>25	20	21	
	Sodium	ppm	ASTM D5185(m)		3	4	
	Potassium	ppm	ASTM D5185(m)	>20	2	2	

INFRA-RED

Soot %

Nitration

Sulfation

%

ASTM D7844*

Abs/cm ASTM D7624* >20

Abs/.1mm ASTM D7415* >30

0.4

9.7

21.3

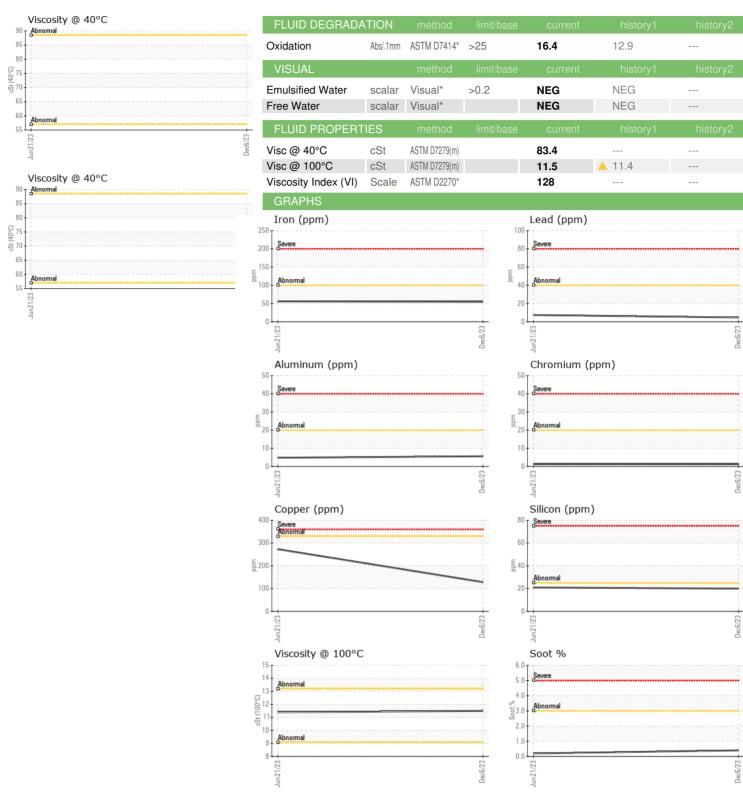
0.2

7.8

20.6



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: WC0872982

: 5698495

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 RONI/IRON SHORE EXCAVATING LTD. Recieved : 02605410

Diagnosed Diagnostician : Wes Davis

: 28 Dec 2023

: 27 Dec 2023 100 MACINTOSH BLVD VAUGHAN, ON CA L4K 4P3 Contact: Service Team

Test Package : MOBCE (Additional Tests: KV40, VI) 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.

T:

F:

service.team@roni.ca