

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# NOVA 60070

Component Rear Diesel Engine Fluid VALVOLINE 15W40 (24 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.

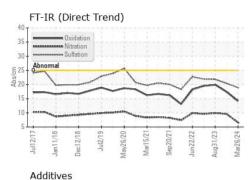
### Fluid Condition

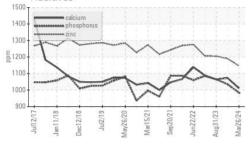
The condition of the oil is acceptable for the time in service.

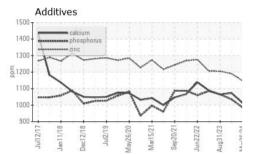
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0911682	WC0887271	WC0809086
Sample Date		Client Info		26 Mar 2024	08 Jan 2024	31 Aug 2023
Machine Age	kms	Client Info		499166	486692	464121
Oil Age	kms	Client Info		10000	10000	10000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	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
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	10	15	31
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	5
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	2	3
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	29	1	2
Tin	ppm	ASTM D5185(m)	>15	0	0	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)	39	2	4	4
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	49	58	60	60
Manganese	ppm	ASTM D5185(m)	1	0	0	<1
Magnesium	ppm	ASTM D5185(m)	616	953	986	981
Calcium	ppm	ASTM D5185(m)	1554	1011	1073	1064
Phosphorus	ppm	ASTM D5185(m)	899	984	1035	1065
Zinc	ppm	ASTM D5185(m)	1069	1146	1190	1205
Sulfur	ppm	ASTM D5185(m)	2624	2523	2629	2478
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	1	4	5
Sodium	ppm	ASTM D5185(m)		63	5	8
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.1	0.3	0.4
Nitration	Abs/cm	ASTM D7624*		6.6	9.6	9.9
Sulfation	Abs/.1mm	ASTM D7024 ASTM D7415*	>30	18.9	20.4	21.8
Guildion	ruga, 111111	A01W D1413	200	10.3	20.7	21.0

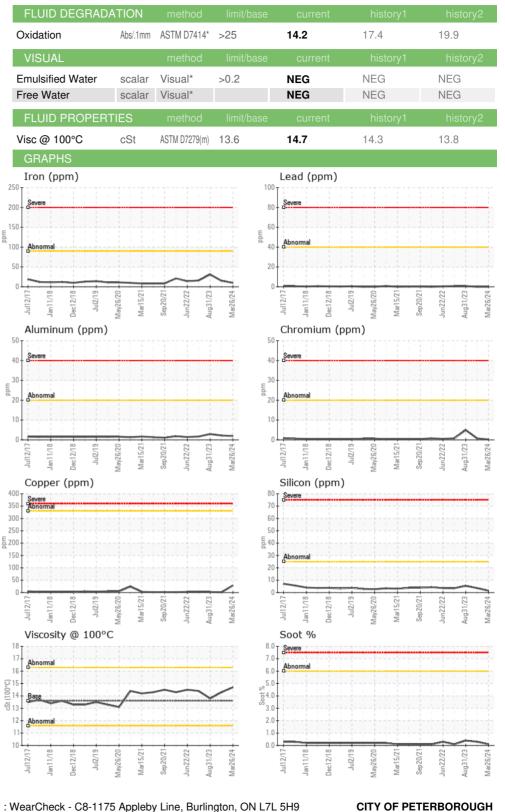


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Laboratory CALA Sample No. : WC0911682 Received : 05 Apr 2024 Lab Number : 02626917 Tested : 05 Apr 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5760049 Diagnosed : 05 Apr 2024 - Wes Davis Test Package : MOB 1 To discuss this sample report, 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.

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Report Id: CITPET [WCAMIS] 02626917 (Generated: 04/05/2024 14:33:41) Rev: 1

Contact/Location: Frank Curran - CITPET Page 2 of 2