



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
601
Component
Diesel Engine
Fluid
DURALENE Dura-Max 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0020545	DC0018774	---
Sample Date		Client Info		04 Apr 2023	05 May 2022	---
Machine Age	hrs	Client Info		0	12503	---
Oil Age	hrs	Client Info		450	450	---
Filter Age	hrs	Client Info		450	450	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<1	11	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	6	---
Aluminum	ppm	ASTM D5185m	>20	1	2	---
Lead	ppm	ASTM D5185m	>40	<1	1	---
Copper	ppm	ASTM D5185m	>330	<1	<1	---
Tin	ppm	ASTM D5185m	>15	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

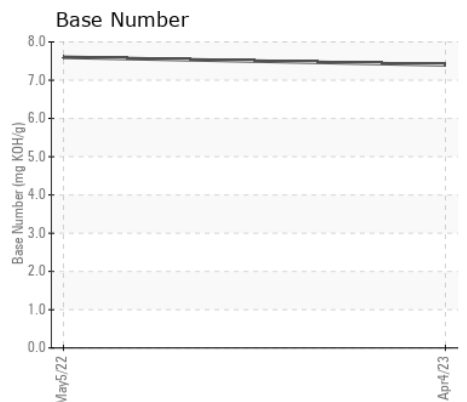
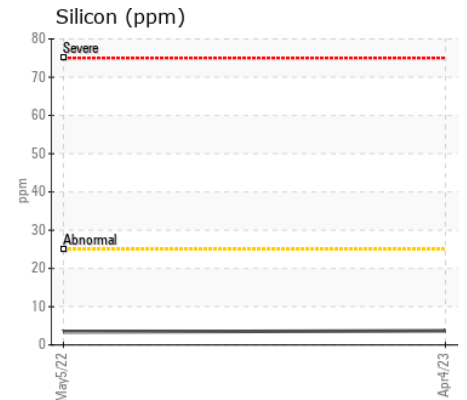
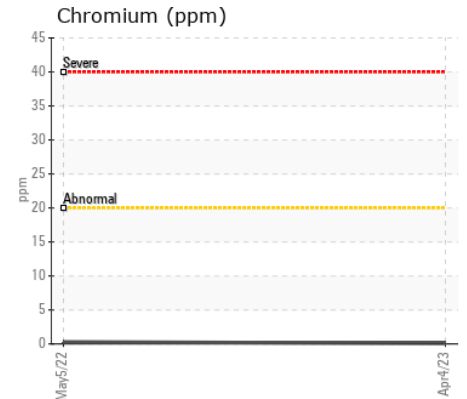
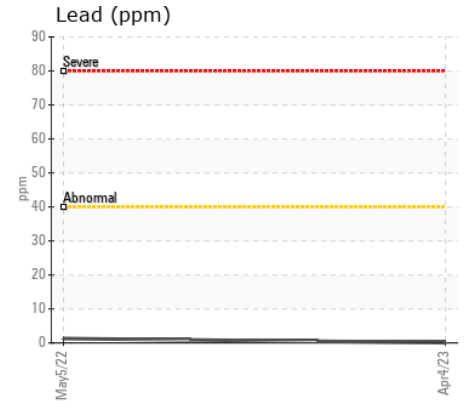
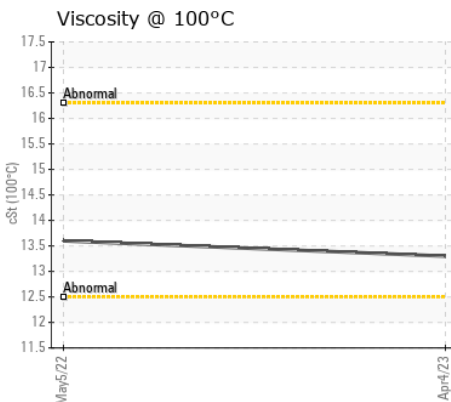
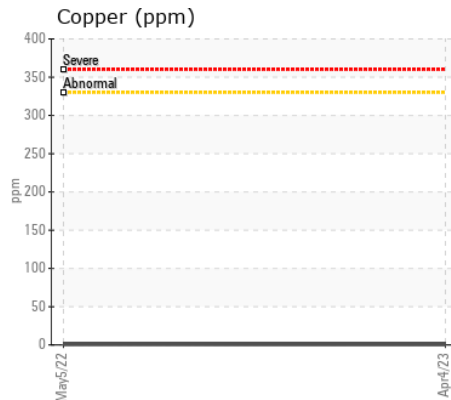
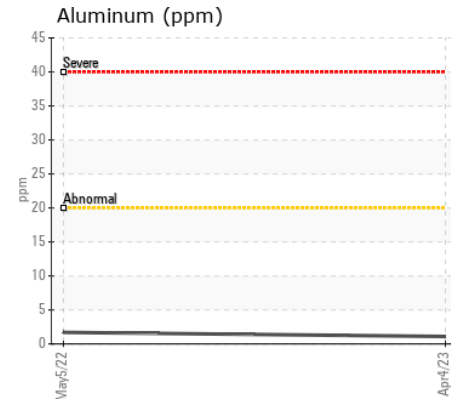
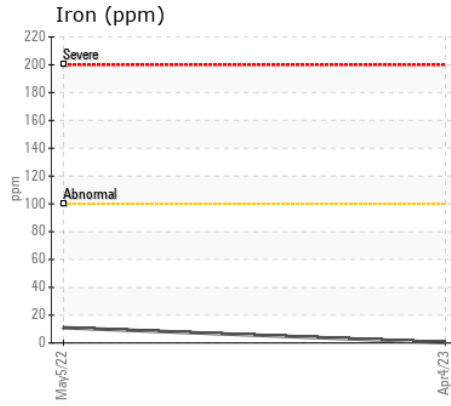
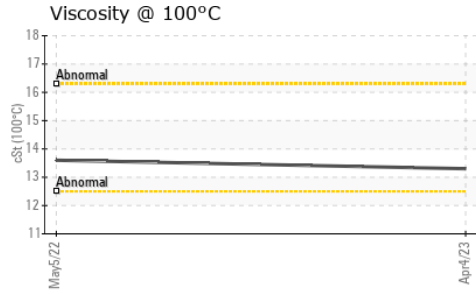
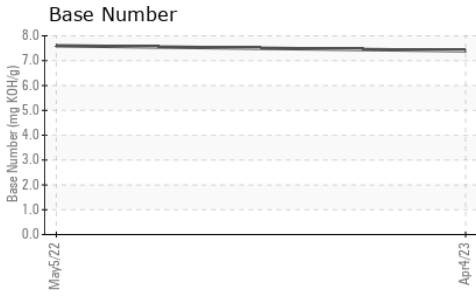
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	3	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.5	0.6	---
Nitration	Abs/cm	*ASTM D7624	>20	6.7	8.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.7	19.9	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

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.

Sodium	ppm	ASTM D5185m		0	3	---
Boron	ppm	ASTM D5185m		2	5	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		3	8	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		38	128	---
Calcium	ppm	ASTM D5185m		2311	2432	---
Phosphorus	ppm	ASTM D5185m		889	963	---
Zinc	ppm	ASTM D5185m		1038	1124	---
Sulfur	ppm	ASTM D5185m		3595	3462	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.1	11.1	---
Base Number (BN)	mg KOH/g	ASTM D2896		7.4	7.6	---
Visc @ 100°C	cSt	ASTM D445		13.3	13.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0020545 **Received** : 07 Apr 2023
Lab Number : 05814325 **Tested** : 10 Apr 2023
Unique Number : 10417117 **Diagnosed** : 10 Apr 2023 - Wes Davis
Test Package : MOB 1 (Additional Tests: TBN)

J & J INC
 2504 BLACK ACRE CIRCLE
 MOUNT AIRY, MD
 US 21771

Contact: Louis Lynagh
 llynagh@jandjinctrashservice.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (301)898-2109

F: