

## Machine Id **TLLG100152** Component **Diesel Engine** Filuid **DIESEL ENGINE OIL SAE 40 (--- GAL)**

Resample at the next service interval to monitor. Please specify the
component make and model with your next sample. Please specify the
brand, type, and viscosity of the oil on your next sample.

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All component wear rates are normal.

RECOMMENDATION

## CONTAMINATION

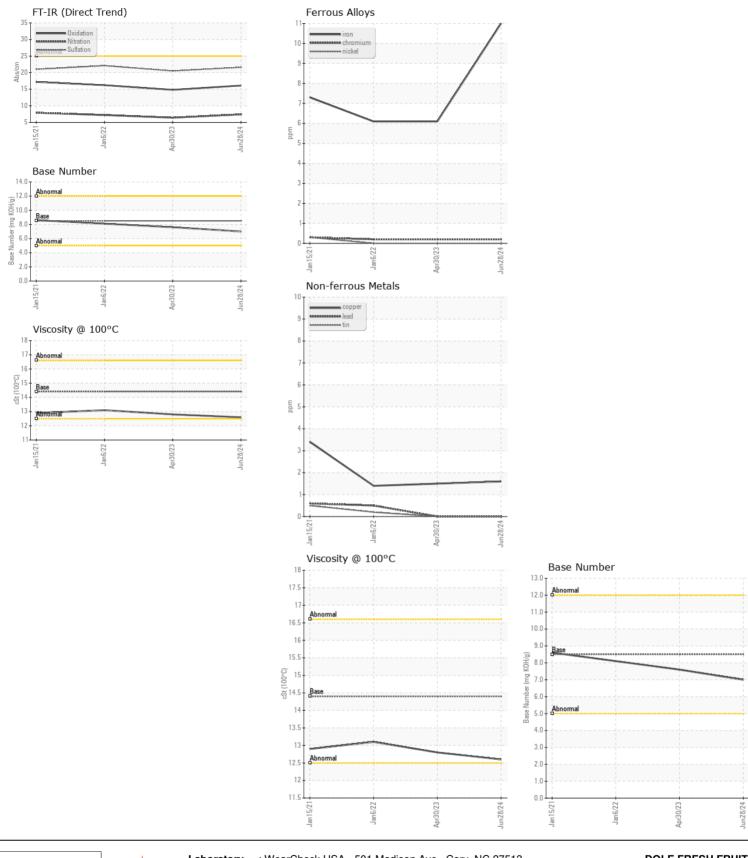
There is no indication of any contamination in the oil.

## **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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0949997	WC0779389	WC0641937
Sample Date		Client Info		28 Jun 2024	30 Apr 2023	06 Jan 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	11	6	6
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	0	2
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	2	2	1
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	5	4	4
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.4	6.4	7.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	20.5	22.1
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	▲ 0.2%	NEG
Sodium	ppm	ASTM D5185m	>216	2	2	1
Boron	ppm	ASTM D5185m		408	437	355
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	90	88	79
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	410	402	368
Calcium	ppm	ASTM D5185m	3000	1433	1460	1380
Phosphorus	ppm	ASTM D5185m	1150	927	986	855
Zinc	ppm	ASTM D5185m	1350	1219	1210	1103
Sulfur	ppm	ASTM D5185m	4250	2971	3320	2846
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	14.8	16.2
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.0	7.6	8.1
Visc @ 100°C	cSt	ASTM D445	14.4	12.6	12.8	13.1

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**DOLE FRESH FRUIT** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0949997 Received PO BOX 725, ATTN: MAINTENANCE AND REPAIR : 18 Jul 2024 Lab Number : 06241123 Tested NEW CASTLE, DE : 19 Jul 2024 Diagnosed Unique Number : 11129957 : 19 Jul 2024 - Wes Davis US 19720 Test Package : FLEET Contact: LUIS LAPIERRE Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. luis.lapierre@dole.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (302)652-6344 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (302)652-6061

Contact/Location: LUIS LAPIERRE - DOLWIL Page 2 of 2