

Machine Id DFGS100731 Component Diesel Engine Fluid DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Observe for the sector sector sector and fill an	Sample Number		Client Info		WC0911194	WC0779470	WC0614732
Check for low coolant level. Oil and filter change at the time of	Sample Date		Client Info		09 May 2024	12 Feb 2023	15 Sep 2021
sampling has been noted. Resample at the next service interval to monitor.	Machine Age	hrs	Client Info		14264	12745	0
monitor.	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				ATTENTION	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	20	32	23
	Chromium	ppm	ASTM D5185m	>20	<1	<1	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m		6	4	10
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m	>330	2	3	2
	Tin	ppm	ASTM D5185m		<1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		5	5	4
Sodium and/or potassium levels are high.	Potassium	ppm	ASTM D5185m		0	2	0
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	%	*ASTM D2982		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.2	0.3	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	8.2	8.9	8.6
	Sulfation	Abs/.1mm	*ASTM D7415		20.9	21.8	19.3
	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	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>158	88	42	86
	Boron	ppm	ASTM D5185m	250	353	319	330
The BN result indicates that there is suitable alkalinity remaining in the	Barium	ppm	ASTM D5185m		0	0	0
oil. The condition of the oil is acceptable for the time in service.	Molybdenum	ppm	ASTM D5185m	100	87	82	122
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m	450	391	404	490
	Calcium	ppm	ASTM D5185m	3000	1974	1675	1444
	Phosphorus	ppm	ASTM D5185m	1150	1072	1064	696
	Zinc	ppm	ASTM D5185m	1350	1326	1381	893
	Sulfur	ppm	ASTM D5185m	4250	3864	4233	2029

Oxidation

Visc @ 100°C cSt

Abs/.1mm *ASTM D7414 >25

ASTM D445 14.4

Base Number (BN) mg KOH/g ASTM D2896 8.5

18.6

7.6

12.9

14.6

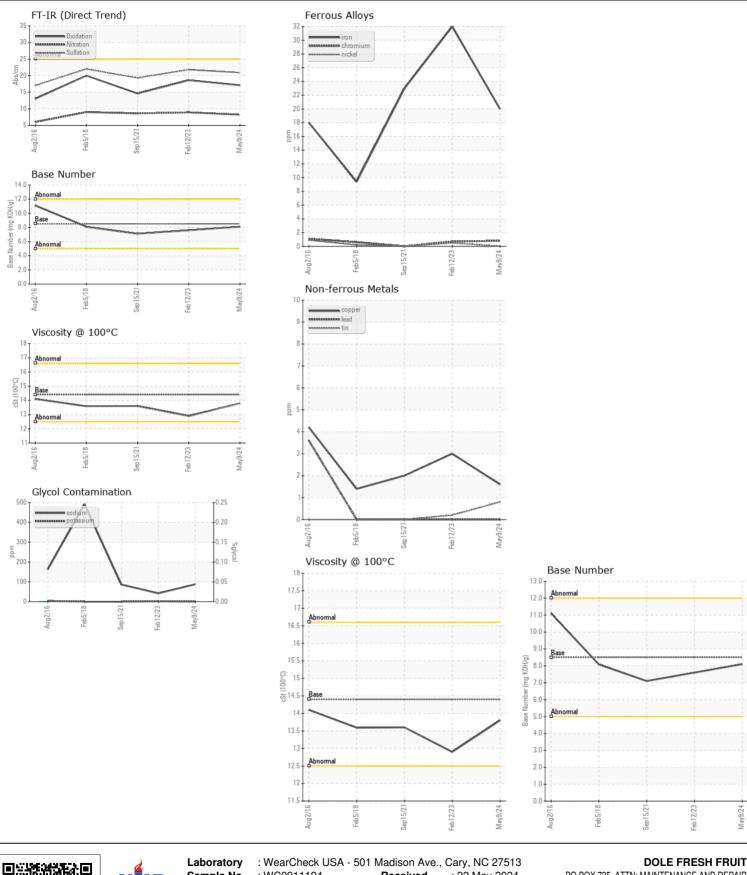
7.1

13.6

17.1

8.1

13.8



DOLE FRESH FRUIT Sample No. : WC0911194 Received PO BOX 725, ATTN: MAINTENANCE AND REPAIR : 22 May 2024 Lab Number : 06188404 Tested NEW CASTLE, DE : 28 May 2024 Unique Number : 11045156 : 28 May 2024 - Sean Felton US 19720 Diagnosed Test Package : FLEET (Additional Tests: Glycol) 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