

Machine Id SZLG730251 Component Diesel Engine Fluid DIESEL ENGINE OIL SAE 40 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. 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.

WEAR

All component wear rates are normal.

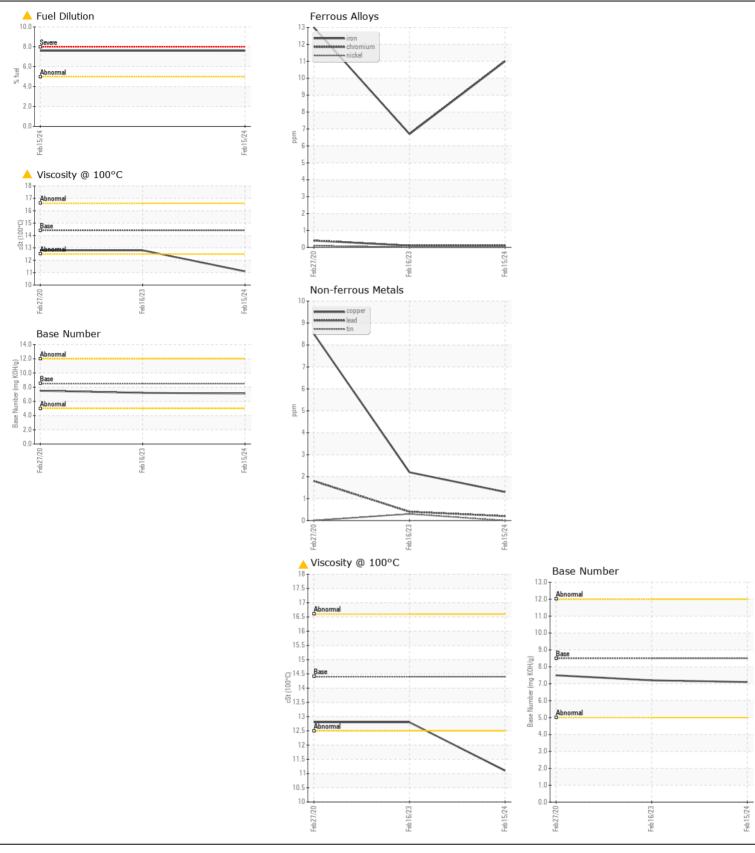
CONTAMINATION

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0869105	WC0779457	WC0438738
Sample Date		Client Info		15 Feb 2024	16 Feb 2023	27 Feb 2020
Machine Age	hrs	Client Info		6883	5526	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
					_	40
Iron	ppm	ASTM D5185m	>100	11	7	13
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m	-	<1	<1	13
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	2	5
Lead	ppm	ASTM D5185m	>40	<1	<1	2
Copper	ppm	ASTM D5185m	>330	1	2	8
Tin	ppm	ASTM D5185m	>15	0	<1	0
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	5	6
Potassium	ppm	ASTM D5185m	>20	0	<1	5
Fuel	%	ASTM D3524	>5	▲ 7.6	<1.0	<1.0
Water	70	WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method	20.2	NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.3	6.5	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	22.1	18.5
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
Sodium	ppm	ASTM D5185m	>216	6	3	4
Boron	ppm	ASTM D5185m	250	319	378	125
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	84	82	44
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	399	391	680
Calcium	ppm	ASTM D5185m	3000	1433	1435	1512
Phosphorus	ppm	ASTM D5185m	1150	946	932	724
Zinc	ppm	ASTM D5185m	1350	1125	1158	773
Sulfur	ppm	ASTM D5185m	4250	2768	3616	2408
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	18.2	14.6
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.1	7.2	7.5
Visc @ 100°C	cSt	ASTM D445	14.4	🔺 11.1 🌙	12.8	12.8



DOLE FRESH FRUIT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0869105 Received PO BOX 725, ATTN: MAINTENANCE AND REPAIR : 26 Feb 2024 ŕπ, Lab Number : 06099613 Tested : 28 Feb 2024 NEW CASTLE, DE Unique Number : 10897843 : 28 Feb 2024 - Wes Davis US 19720 Diagnosed Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel) 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