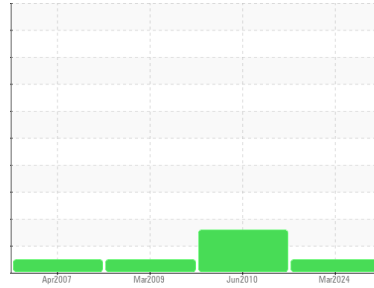




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
ISUZU DFGS 015005
 Component
Diesel Engine
 Fluid
 DIESEL ENGINE OIL SAE 15W40 (20 QTS)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0905088	WCMF886166	WCMF430638
Sample Date	Client Info			13 Mar 2024	09 Jun 2010	11 Mar 2009
Machine Age	hrs	Client Info		14789	4712	3085
Oil Age	hrs	Client Info		14789	1500	1539
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<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 D5185m	>100	2	30	16
Chromium	ppm	ASTM D5185m	>20	2	7	5
Nickel	ppm	ASTM D5185m	>4	0	1	1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	18	9
Lead	ppm	ASTM D5185m	>40	0	<1	1
Copper	ppm	ASTM D5185m	>330	0	1	1
Tin	ppm	ASTM D5185m	>15	<1	0	0
Antimony	ppm	ASTM D5185m		---	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	343	54	136
Barium	ppm	ASTM D5185m	10	0	<1	1
Molybdenum	ppm	ASTM D5185m	100	123	42	105
Manganese	ppm	ASTM D5185m		<1	3	5
Magnesium	ppm	ASTM D5185m	450	668	464	115
Calcium	ppm	ASTM D5185m	3000	1505	1607	2975
Phosphorus	ppm	ASTM D5185m	1150	746	1146	1261
Zinc	ppm	ASTM D5185m	1350	856	970	1379
Sulfur	ppm	ASTM D5185m	4250	2825	2376	4383

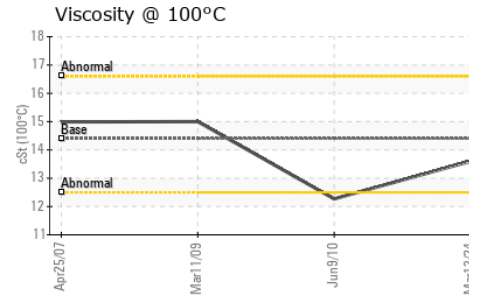
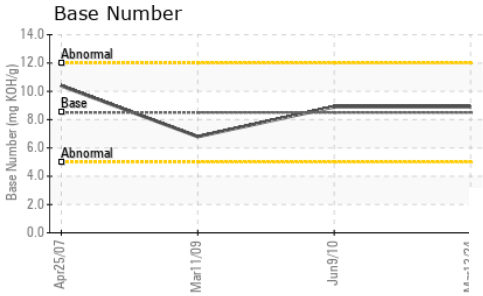
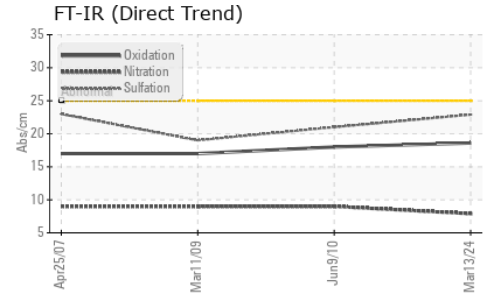
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	48	0
Sodium	ppm	ASTM D5185m	>158	1	44	4
Potassium	ppm	ASTM D5185m	>20	0	8	8

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	7.9	9.	9.
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	21.	19.

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.6	18.	17.
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.9	8.90	6.80



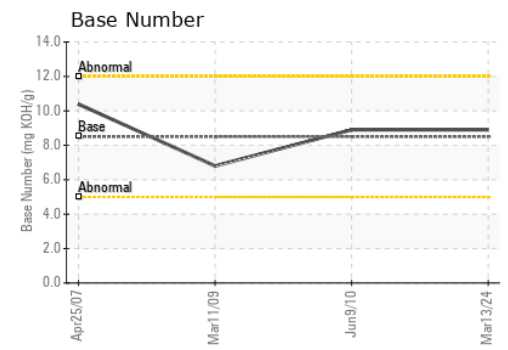
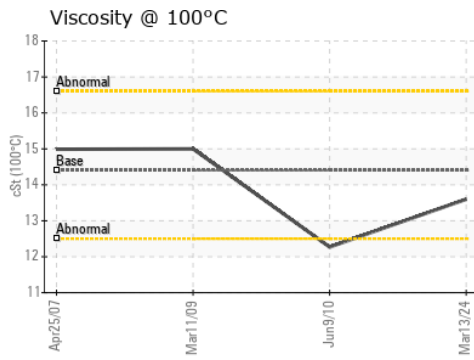
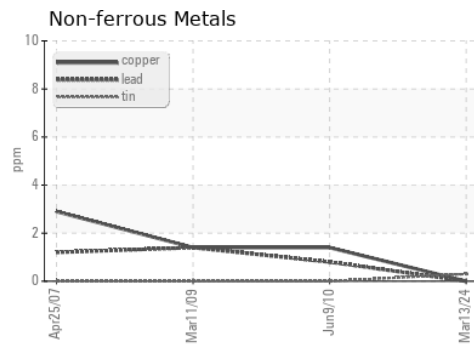
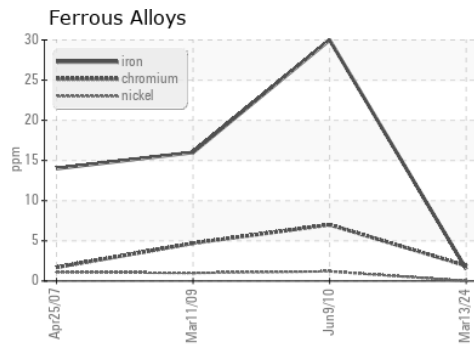
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14.4	13.6	▲ 12.27	15.00

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0905088
Lab Number : **06137948**
Unique Number : 10962756
Test Package : FLEET
Received : 03 Apr 2024
Tested : 04 Apr 2024
Diagnosed : 04 Apr 2024 - Wes Davis

DOLE FRESH FRUIT
 PO BOX 1689
 GULFPORT, MS
 US 39502
 Contact: JORDAN JOHNSTON
 jordan.johnston@dole.com
 T:
 F: (228)867-2970

Certificate L2367
 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)