



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
ISUZU BI CO-OP 452313

Component
Diesel Engine

Fluid
{not provided} (10 QTS)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in.

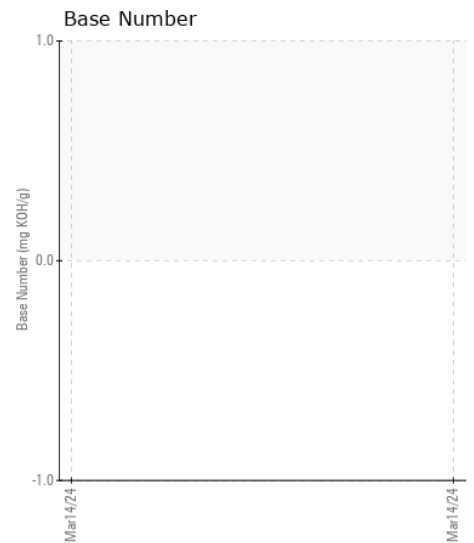
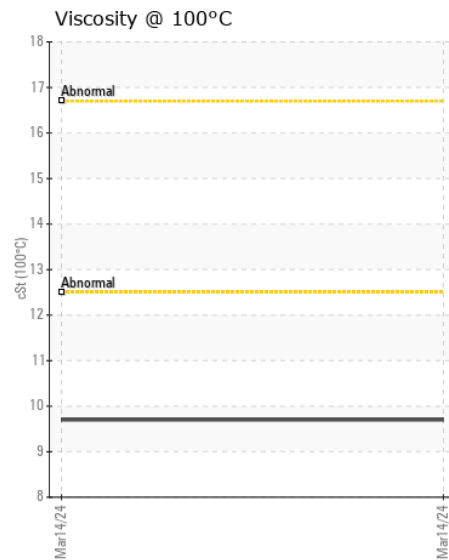
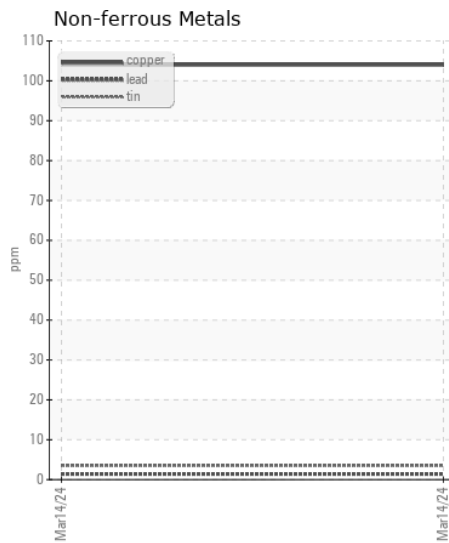
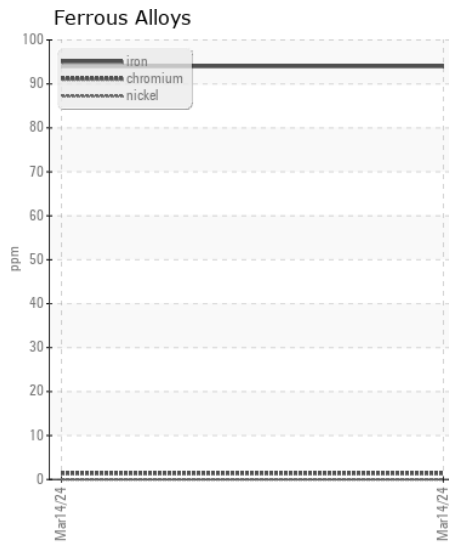
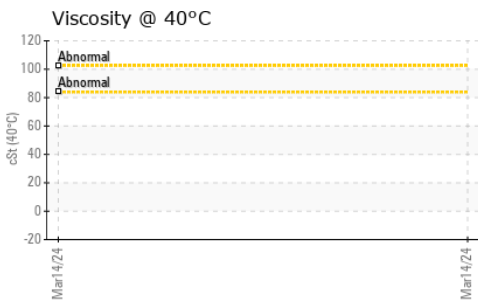
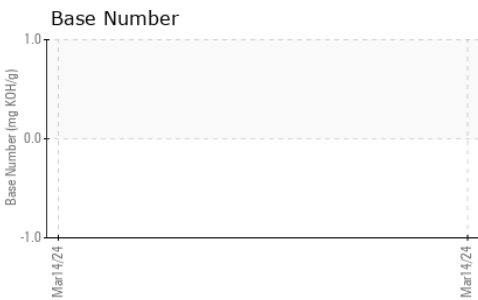
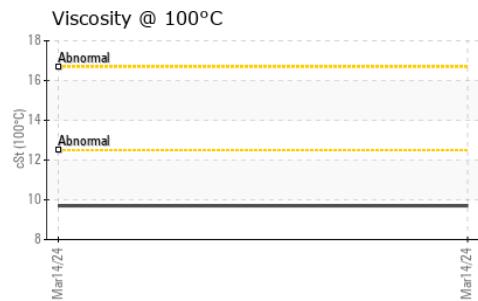
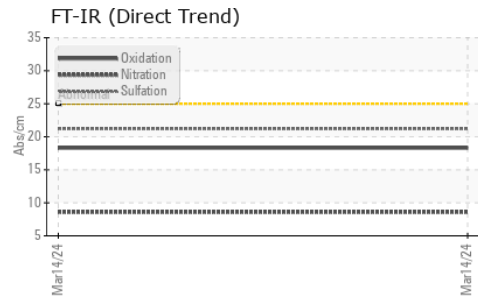
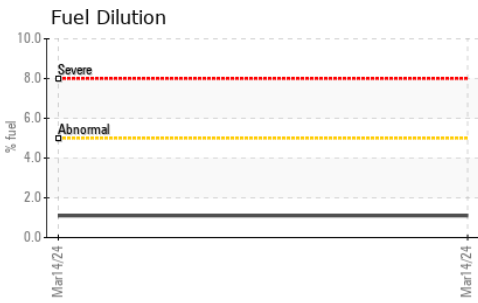
CONTAMINATION

Fuel content negligible. 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 acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0034947	---	---
Sample Date		Client Info		14 Mar 2024	---	---
Machine Age	mls	Client Info		9138	---	---
Oil Age	mls	Client Info		9138	---	---
Filter Age	mls	Client Info		9138	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---
<hr/>						
Iron	ppm	ASTM D5185m	>100	94	---	---
Chromium	ppm	ASTM D5185m	>20	1	---	---
Nickel	ppm	ASTM D5185m	>4	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m	>3	0	---	---
Aluminum	ppm	ASTM D5185m	>20	15	---	---
Lead	ppm	ASTM D5185m	>40	1	---	---
Copper	ppm	ASTM D5185m	>330	104	---	---
Tin	ppm	ASTM D5185m	>15	4	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
<hr/>						
Silicon	ppm	ASTM D5185m	>25	53	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Fuel	%	ASTM D3524	>5	1.1	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844	>3	0.3	---	---
Nitration	Abs/cm	*ASTM D7624	>20	8.6	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
<hr/>						
Sodium	ppm	ASTM D5185m		3	---	---
Boron	ppm	ASTM D5185m		136	---	---
Barium	ppm	ASTM D5185m		6	---	---
Molybdenum	ppm	ASTM D5185m		25	---	---
Manganese	ppm	ASTM D5185m		3	---	---
Magnesium	ppm	ASTM D5185m		172	---	---
Calcium	ppm	ASTM D5185m		1116	---	---
Phosphorus	ppm	ASTM D5185m		904	---	---
Zinc	ppm	ASTM D5185m		1089	---	---
Sulfur	ppm	ASTM D5185m		3311	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	---	---
Visc @ 100°C	cSt	ASTM D445		9.7	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0034947
Lab Number : 06158291
Unique Number : 10993714
Test Package : FLEET (Additional Tests: FuelDilution, KV40, PercentFuel)

RUSH TRUCK LEASING - CLEVELAND IDEALEASE
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 OAKWOOD VILLAGE, OH
 US 44146-5550
 Contact: JOHN FOSTER
 FosterJ4@RushEnterprises.com
 T: (440)359-7000
 F: (440)439-5657

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)