



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**ISUZU 8464791**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0019305</b>	RPL0017568	RPL0015871
Sample Date		Client Info		<b>07 May 2024</b>	06 Feb 2024	08 Nov 2023
Machine Age	mls	Client Info		<b>73540</b>	69166	66021
Oil Age	mls	Client Info		<b>61627</b>	69166	0
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	<b>46</b>	40	26
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	4	3
Lead	ppm	ASTM D5185m	>40	<b>3</b>	4	2
Copper	ppm	ASTM D5185m	>330	<b>48</b>	53	46
Tin	ppm	ASTM D5185m	>15	<b>2</b>	2	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

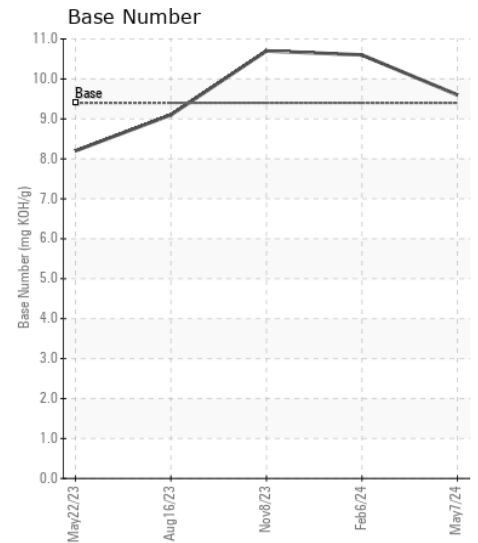
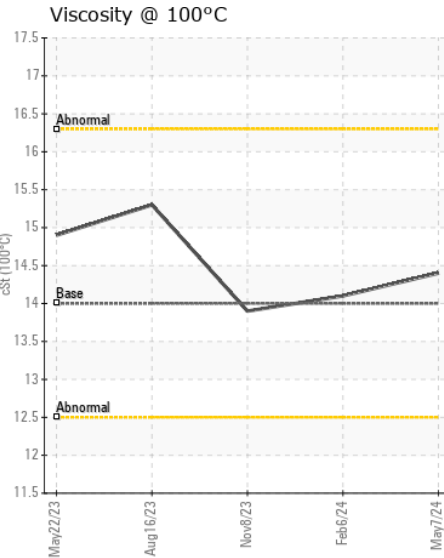
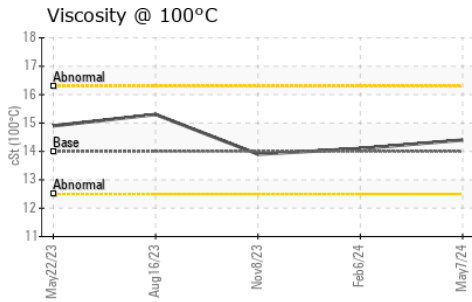
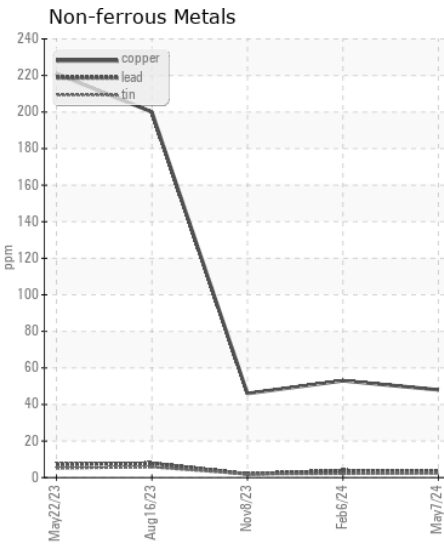
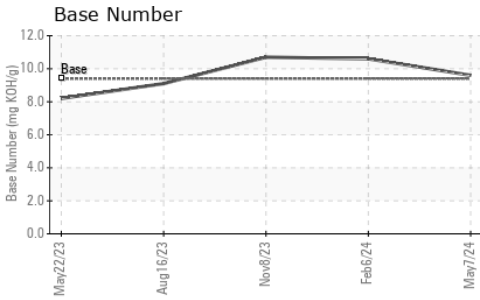
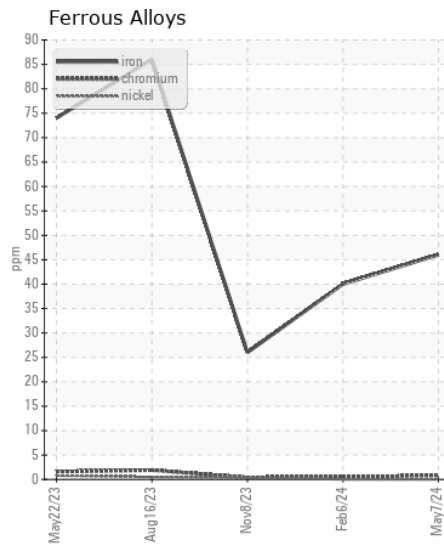
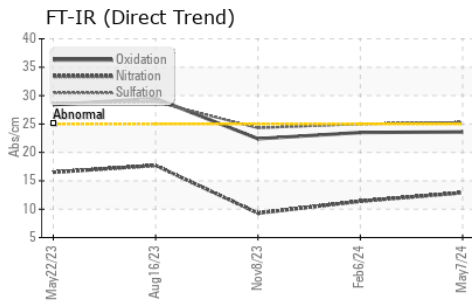
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	8	7
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	2
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>1.4</b>	1.2	0.9
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.9</b>	11.4	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>25.3</b>	25.0	24.3
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## 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.

Sodium	ppm	ASTM D5185m		<b>5</b>	3	3
Boron	ppm	ASTM D5185m	0	<b>23</b>	43	34
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>37</b>	46	36
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>595</b>	619	536
Calcium	ppm	ASTM D5185m		<b>1867</b>	1962	1643
Phosphorus	ppm	ASTM D5185m		<b>797</b>	847	741
Zinc	ppm	ASTM D5185m		<b>989</b>	1011	932
Sulfur	ppm	ASTM D5185m		<b>2816</b>	2961	2376
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>23.6</b>	23.5	22.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>9.6</b>	10.6	10.7
Visc @ 100°C	cSt	ASTM D445	14	<b>14.4</b>	14.1	13.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0019305  
**Lab Number** : 06225892  
**Unique Number** : 11109385  
**Test Package** : FLEET

**Received** : 02 Jul 2024  
**Tested** : 03 Jul 2024  
**Diagnosed** : 03 Jul 2024 - Wes Davis

**RTL PACLEASE - 7006 - Pico Rivera**  
 7837 Telegraph Rd  
 Pico Rivera, CA  
 US 90660

Contact: GERARDO CARROLA  
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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)

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