



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
ISUZU 8464364
Component
Diesel Engine
Fluid
CHEVRON DELO 400 SAE 10W30 (11 QTS)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0017159	RPL0019315	RPL0017416
Sample Date		Client Info		01 Jul 2024	12 Apr 2024	04 Jan 2024
Machine Age	mls	Client Info		258952	135259	131772
Oil Age	mls	Client Info		0	3487	15575
Filter Age	mls	Client Info		0	3487	15575
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	73	14	31
Chromium	ppm	ASTM D5185m	>20	3	0	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	6	2	4
Lead	ppm	ASTM D5185m	>40	19	1	2
Copper	ppm	ASTM D5185m	>330	2	7	4
Tin	ppm	ASTM D5185m	>15	1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

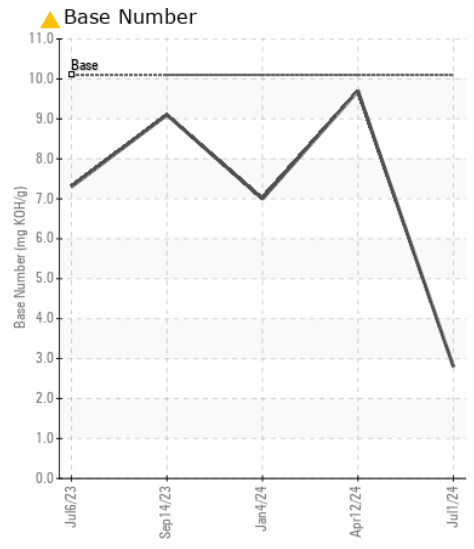
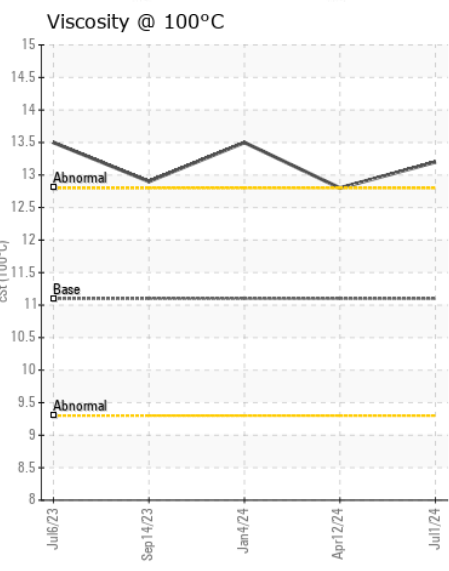
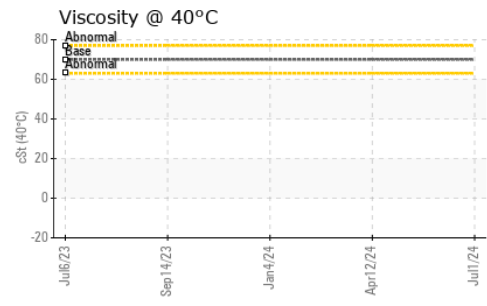
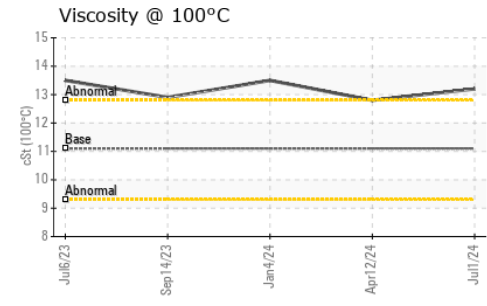
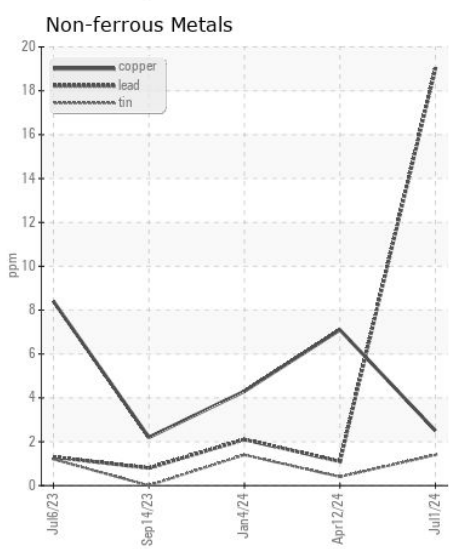
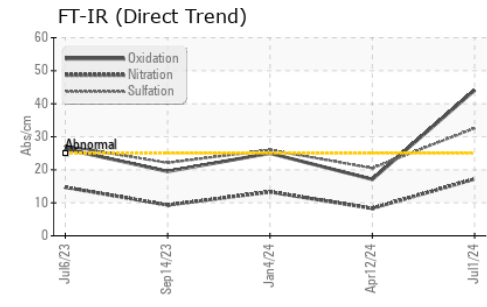
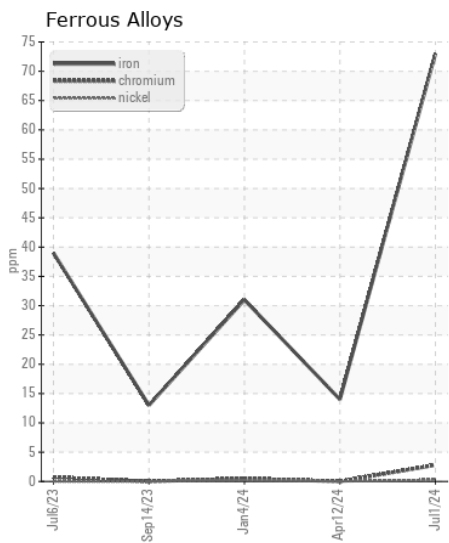
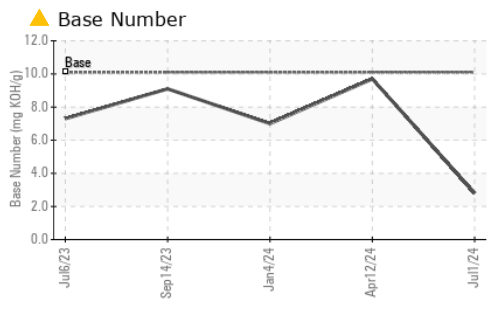
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	10	5	7
Potassium	ppm	ASTM D5185m	>20	11	2	0
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.8	0.4	1
Nitration	Abs/cm	*ASTM D7624	>20	17.2	8.3	13.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	32.6	20.5	26.0
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

The BN level is low. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		5	2	<1
Boron	ppm	ASTM D5185m		18	3	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		42	63	66
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		555	985	1015
Calcium	ppm	ASTM D5185m		1801	1166	1136
Phosphorus	ppm	ASTM D5185m	1260	759	1136	1042
Zinc	ppm	ASTM D5185m	1400	946	1306	1390
Sulfur	ppm	ASTM D5185m		2620	3781	3209
Oxidation	Abs/.1mm	*ASTM D7414	>25	44.1	17.1	25.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	2.8	9.7	7.0
Visc @ 100°C	cSt	ASTM D445	11.1	13.2	12.8	13.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0017159 **Received** : 02 Jul 2024
Lab Number : 06225914 **Tested** : 05 Jul 2024
Unique Number : 11109407 **Diagnosed** : 05 Jul 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: KV40)

RTL PACLEASE - 7053 -NW Houston
 5808 W Sam Houston Pkwy N
 Houston, TX
 US 77041
 Contact: GREG JUDGE
 judgeg@rushenterprises.com
 T:
 F:

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)