



Machine Id
SANDY LOU
Component
Port Reduction Gear
Fluid
CHEVRON URSA SUPER PLUS 40 (6 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0047399	MW0047391	MW0036426
Sample Date		Client Info		30 Jan 2024	23 Nov 2023	15 Aug 2023
Machine Age	hrs	Client Info		27378	26768	26412
Oil Age	hrs	Client Info		610	703	347
Filter Age	hrs	Client Info		610	0	347
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	None	None
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	62	62	53
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	1
Lead	ppm	ASTM D5185m	>100	14	16	15
Copper	ppm	ASTM D5185m	>50	20	24	19
Tin	ppm	ASTM D5185m	>10	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

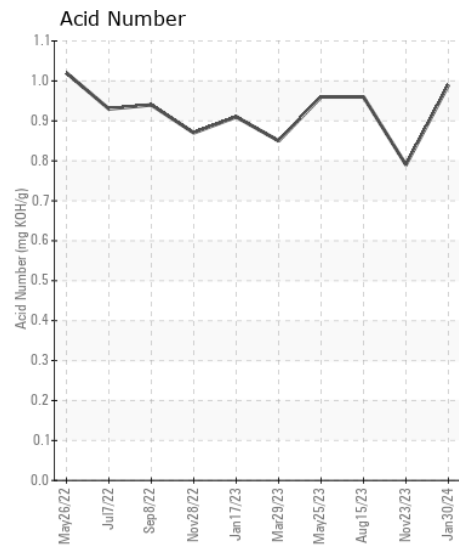
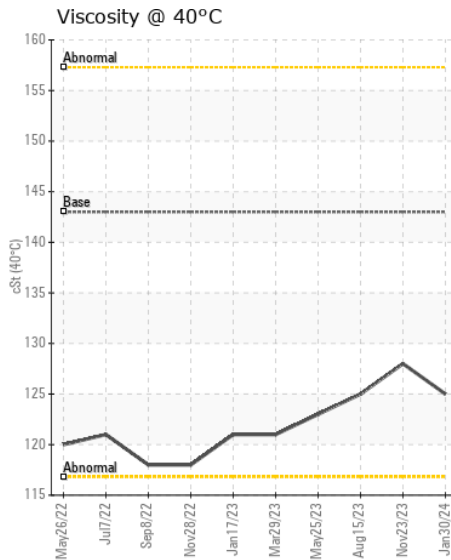
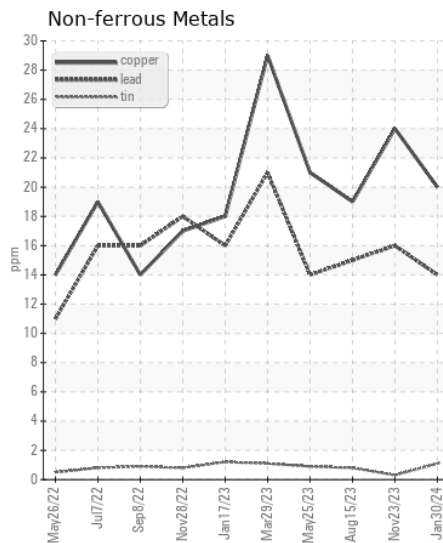
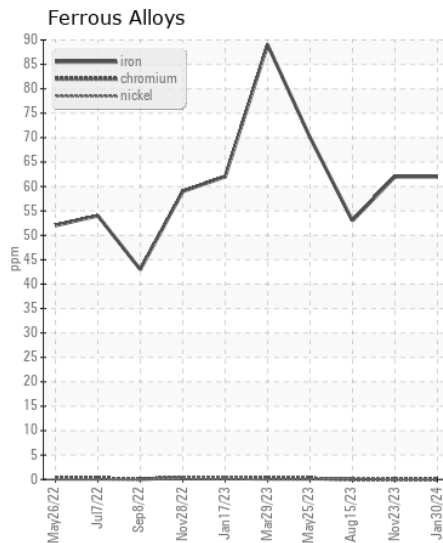
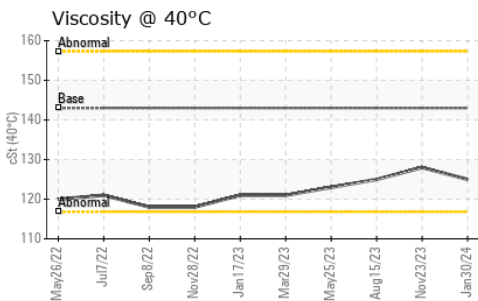
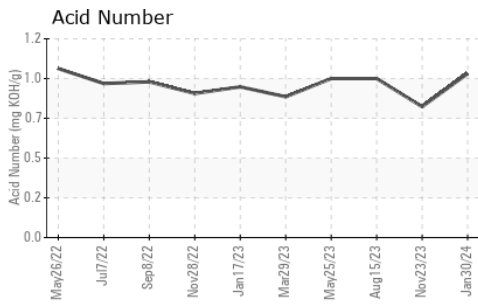
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	6	10	6
Potassium	ppm	ASTM D5185m	>20	2	<1	3
Water		WC Method	>0.1	NEG	NEG	NEG
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	3	0
Boron	ppm	ASTM D5185m		249	286	304
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		29	29	32
Manganese	ppm	ASTM D5185m		2	1	<1
Magnesium	ppm	ASTM D5185m		91	107	104
Calcium	ppm	ASTM D5185m		2018	2217	2204
Phosphorus	ppm	ASTM D5185m	1000	612	673	689
Zinc	ppm	ASTM D5185m	1090	730	791	812
Sulfur	ppm	ASTM D5185m		2500	2604	2967
Acid Number (AN)	mg KOH/g	ASTM D8045		0.99	0.79	0.96
Visc @ 40°C	cSt	ASTM D445	143	125	128	125



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : MW0047399

Lab Number : 06084940

Unique Number : 10872385

Test Package : MAR 2

Received : 09 Feb 2024

Tested : 12 Feb 2024

Diagnosed : 12 Feb 2024 - Wes Davis

OSAGE MARINE

7501 E DAVIS ST

ST LOUIS, MO

US 63111

Contact: MIKE KESSLER

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T:

F:

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)