



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

Machine Id  
**SIGNET WARHORSE III**  
Component  
**Center Transmission**  
Fluid  
**CHEVRON URSA SUPER PLUS 30 (13 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0040424</b>	MW0045478	MW0040462
Sample Date		Client Info		<b>25 Sep 2023</b>	22 Sep 2023	01 May 2023
Machine Age	hrs	Client Info		<b>2479</b>	0	2389
Oil Age	hrs	Client Info		<b>373</b>	0	283
Filter Age	hrs	Client Info		<b>373</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>31</b>	90	38
Chromium	ppm	ASTM D5185m	>7	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	2	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
Aluminum	ppm	ASTM D5185m	>15	<b>&lt;1</b>	3	<1
Lead	ppm	ASTM D5185m	>350	<b>10</b>	0	11
Copper	ppm	ASTM D5185m	>300	<b>238</b>	32	224
Tin	ppm	ASTM D5185m	>5	<b>3</b>	0	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

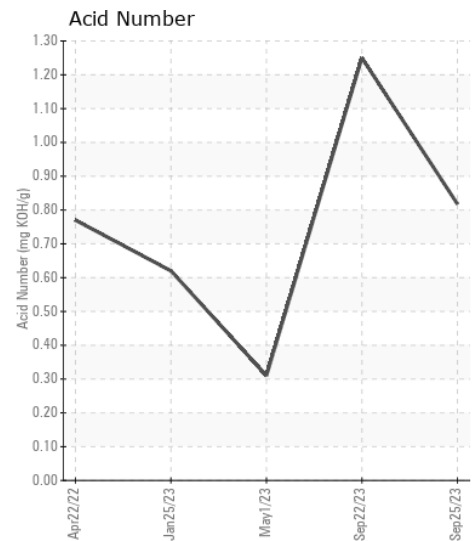
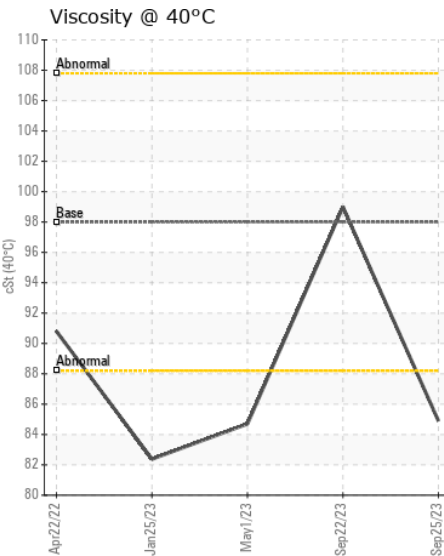
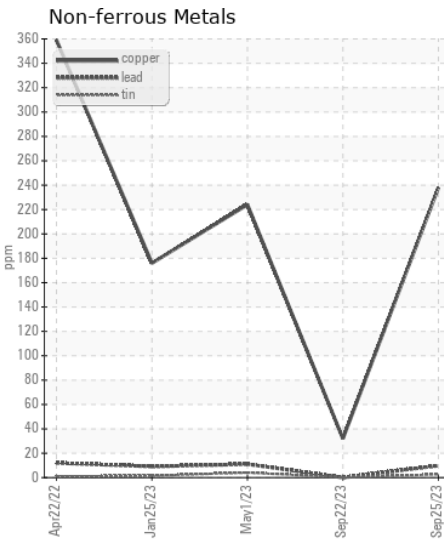
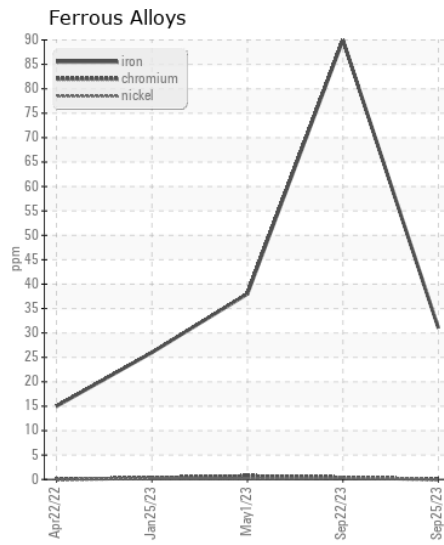
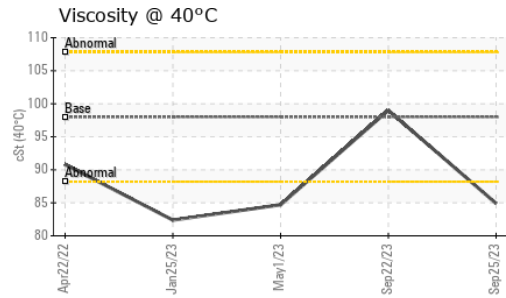
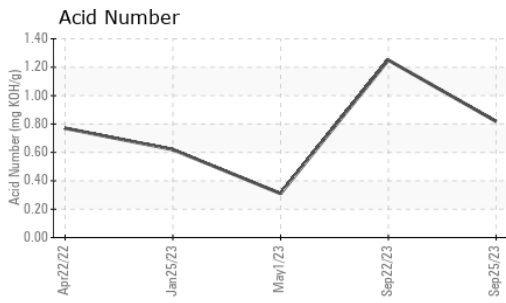
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	▲ 31	5
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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	>0.1	<b>NEG</b>	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		<b>1</b>	22	8
Boron	ppm	ASTM D5185m		<b>246</b>	338	238
Barium	ppm	ASTM D5185m		<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185m		<b>36</b>	40	37
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Magnesium	ppm	ASTM D5185m		<b>81</b>	63	79
Calcium	ppm	ASTM D5185m		<b>2139</b>	3158	2198
Phosphorus	ppm	ASTM D5185m	1000	<b>744</b>	966	744
Zinc	ppm	ASTM D5185m	1090	<b>801</b>	1154	812
Sulfur	ppm	ASTM D5185m		<b>1958</b>	4063	2940
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.818</b>	1.25	0.31
Visc @ 40°C	cSt	ASTM D445	98	<b>84.9</b>	99.0	84.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0040424 **Received** : 12 Oct 2023  
**Lab Number** : 05977250 **Diagnosed** : 15 Oct 2023  
**Unique Number** : 10689200 **Diagnostician** : Don Baldrige  
**Test Package** : MAR 2

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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