



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

Machine Id  
**HBR**  
Component  
**Port Genset**  
Fluid  
**CHEVRON URSA SUPER PLUS 40 (5 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW05774582</b>	MW05745130	MW05718323
Sample Date		Client Info		<b>22 Feb 2023</b>	19 Jan 2023	14 Dec 2022
Machine Age	hrs	Client Info		<b>17558</b>	17116	16693
Oil Age	hrs	Client Info		<b>442</b>	423	501
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>25	<b>7</b>	3	5
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>3</b>	2	4
Lead	ppm	ASTM D5185m	>10	<b>2</b>	0	1
Copper	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

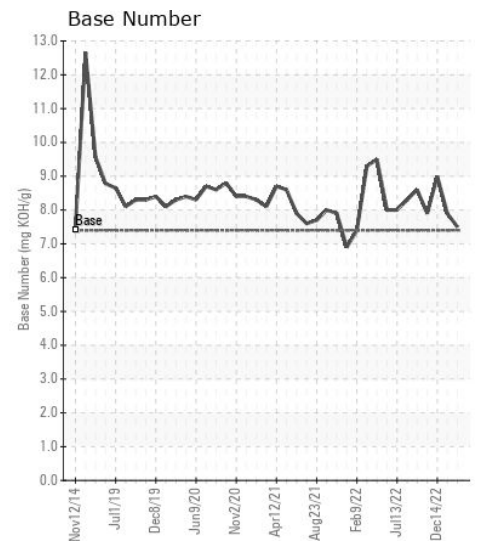
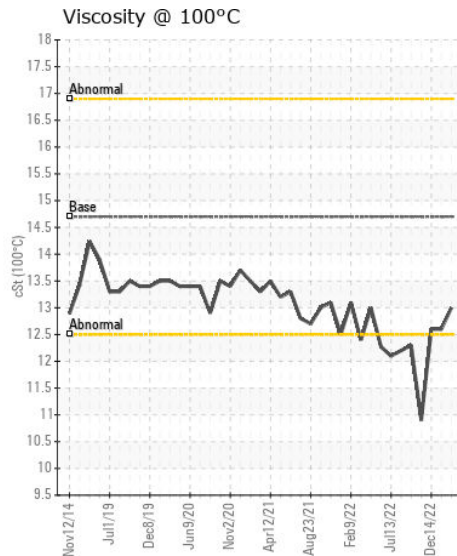
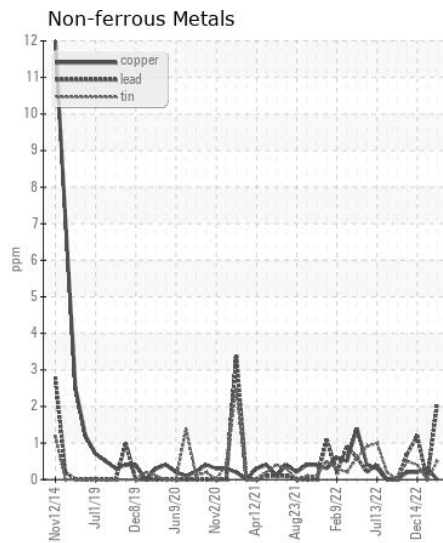
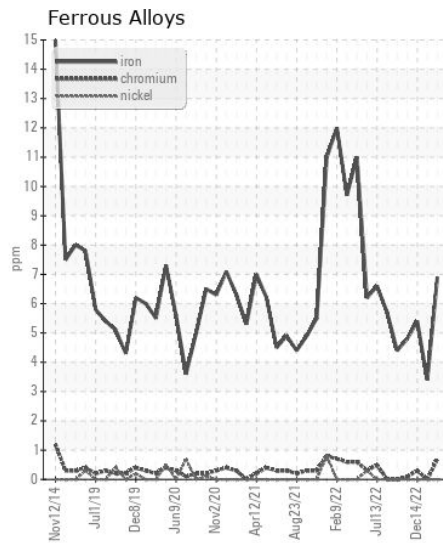
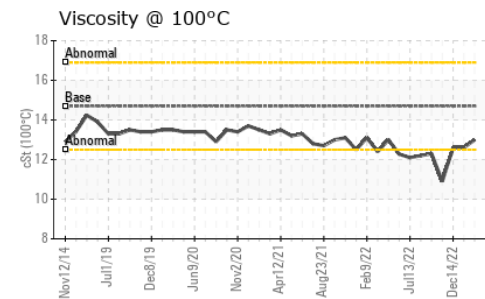
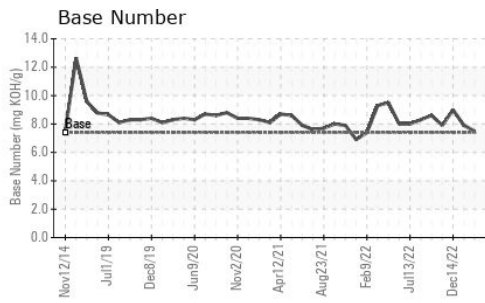
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	0
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	<1.0	1.1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0.2</b>	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.5</b>	6.8	7.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.2</b>	22.6	24.7
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 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>0</b>	0	<1
Boron	ppm	ASTM D5185m		<b>353</b>	406	325
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>93</b>	100	113
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>452</b>	485	591
Calcium	ppm	ASTM D5185m		<b>1726</b>	1387	1480
Phosphorus	ppm	ASTM D5185m	1000	<b>871</b>	765	721
Zinc	ppm	ASTM D5185m	1090	<b>1099</b>	889	840
Sulfur	ppm	ASTM D5185m		<b>3111</b>	2934	2822
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.9</b>	17.6	19.3
Base Number (BN)	mg KOH/g	ASTM D2896	7.4	<b>7.5</b>	7.9	9.0
Visc @ 100°C	cSt	ASTM D445	14.7	<b>13.0</b>	12.6	12.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW05774582  
**Lab Number** : 05774582  
**Unique Number** : 10349199  
**Test Package** : MAR 2  
**Received** : 23 Feb 2023  
**Tested** : 24 Feb 2023  
**Diagnosed** : 24 Feb 2023 - Don Baldrige

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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)