



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

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW06225762</b>	MW06166391	MW06132972
Sample Date		Client Info		<b>01 Jul 2024</b>	30 Apr 2024	28 Mar 2024
Machine Age	hrs	Client Info		<b>23268</b>	22609	22269
Oil Age	hrs	Client Info		<b>659</b>	340	388
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>ATTENTION</b>	ATTENTION	ATTENTION

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>10</b>	4	3
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>12	<b>4</b>	2	3
Lead	ppm	ASTM D5185m	>17	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>70	<b>&lt;1</b>	3	0
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

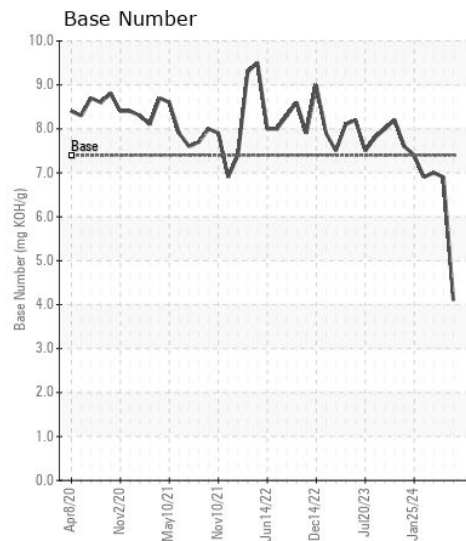
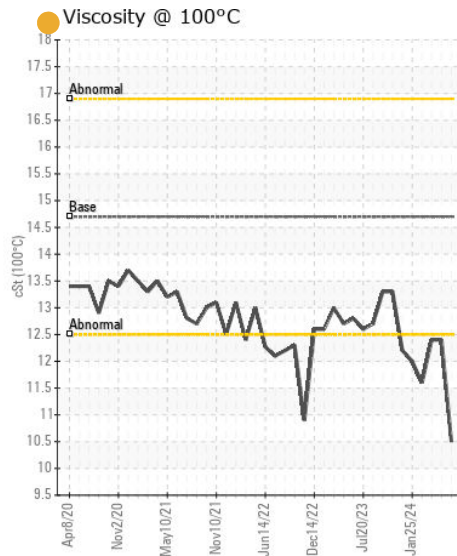
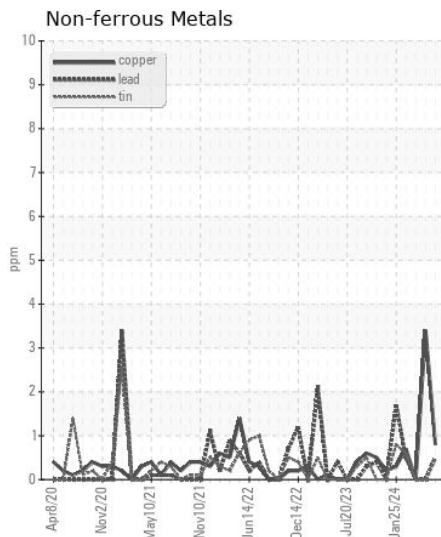
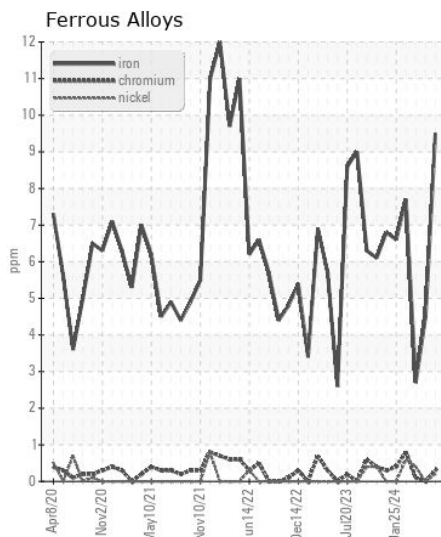
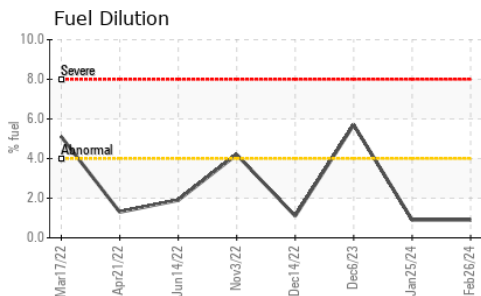
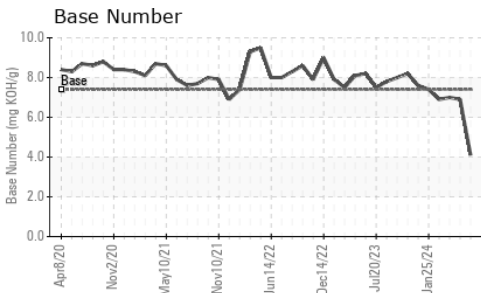
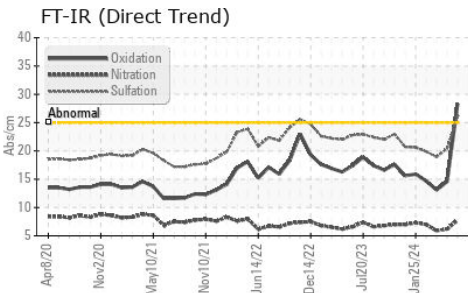
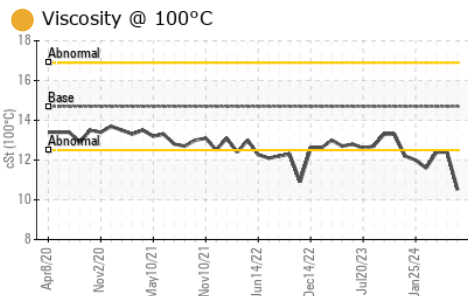
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	2
Fuel	%	ASTM D3524	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
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>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.8</b>	6.2	5.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>26.0</b>	20.4	18.9
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Boron	ppm	ASTM D5185m		<b>233</b>	308	234
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>65</b>	61	45
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Magnesium	ppm	ASTM D5185m		<b>276</b>	274	184
Calcium	ppm	ASTM D5185m		<b>1618</b>	1988	2140
Phosphorus	ppm	ASTM D5185m	1000	<b>808</b>	950	849
Zinc	ppm	ASTM D5185m	1090	<b>1037</b>	1125	1009
Sulfur	ppm	ASTM D5185m		<b>2483</b>	3618	3514
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>28.3</b>	14.6	13.1
Base Number (BN)	mg KOH/g	ASTM D2896	7.4	<b>4.1</b>	6.9	7.0
Visc @ 100°C	cSt	ASTM D445	14.7	<b>10.5</b>	12.4	12.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW06225762 **Received** : 02 Jul 2024  
**Lab Number** : 06225762 **Tested** : 03 Jul 2024  
**Unique Number** : 11103959 **Diagnosed** : 03 Jul 2024 - Don Baldridge  
**Test Package** : MAR 2 ( Additional Tests: FuelDilution, PercentFuel )

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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)