



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

Machine Id

**JEFF KINDL**

Component

**Port Reduction Gear**

Fluid

**CHEVRON URSA SUPER PLUS 40 (24 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW06186370</b>	MW0019798	MW0019819
Sample Date		Client Info		<b>23 Apr 2024</b>	28 Dec 2021	17 Sep 2021
Machine Age	hrs	Client Info		<b>0</b>	40561	38971
Oil Age	hrs	Client Info		<b>0</b>	2717	1117
Filter Age	hrs	Client Info		<b>0</b>	2717	1117
Oil Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	<b>12</b>	2	5
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	0
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>50	<b>10</b>	6	4
Tin	ppm	ASTM D5185m	>10	<b>1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

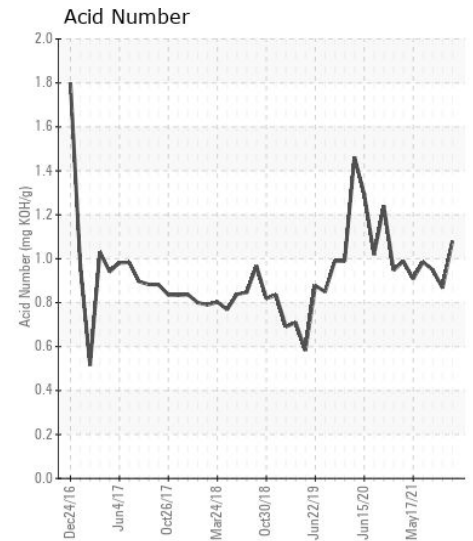
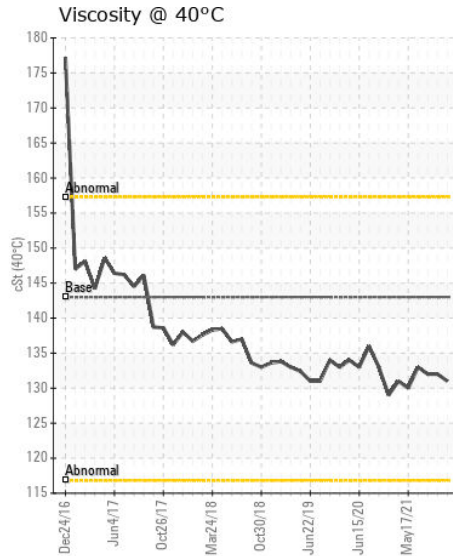
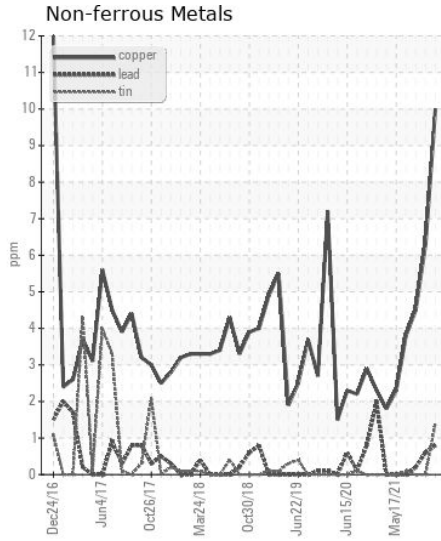
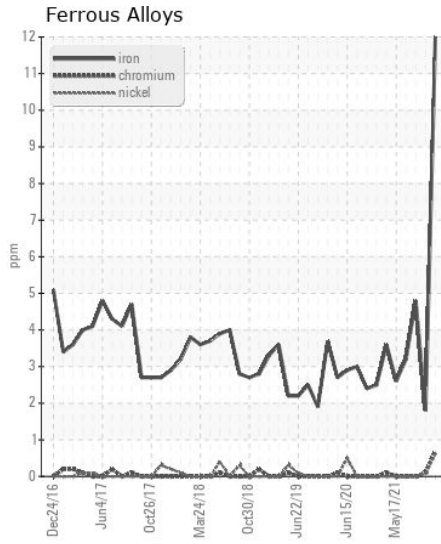
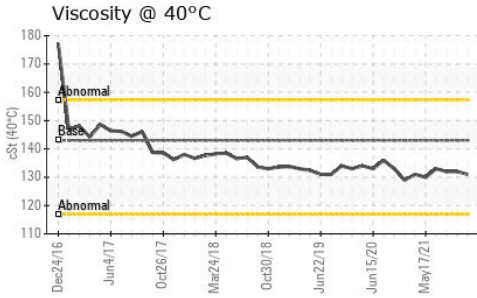
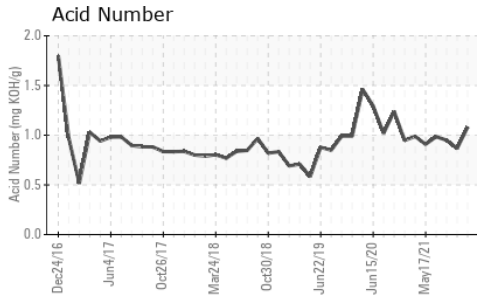
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>5</b>	4	3
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	0	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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>4</b>	2	0
Boron	ppm	ASTM D5185m		<b>168</b>	353	297
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>25</b>	33	34
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>17</b>	26	22
Calcium	ppm	ASTM D5185m		<b>1398</b>	2530	2452
Phosphorus	ppm	ASTM D5185m	1000	<b>408</b>	714	693
Zinc	ppm	ASTM D5185m	1090	<b>483</b>	783	782
Sulfur	ppm	ASTM D5185m		<b>1897</b>	2520	2411
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.08</b>	0.867	0.949
Visc @ 40°C	cSt	ASTM D445	143	<b>131</b>	132	132



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW06186370  
**Lab Number** : 06186370  
**Unique Number** : 11043122  
**Test Package** : MAR 2

**Received** : 21 May 2024  
**Tested** : 22 May 2024  
**Diagnosed** : 23 May 2024 - Sean Felton

**AMERICAN COMMERCIAL LINES**  
 PO BOX 610, 1701 E. MARKET STREET  
 JEFFERSONVILLE, IN  
 US 47130

Contact: RONALD SCHNEIDER  
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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)

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