



# OIL ANALYSIS REPORT

Sample Rating Trend

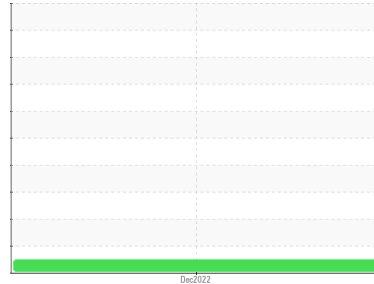
**NORMAL**



Machine Id  
**MELT PUMP-012 (S/N K1071A)**

Component  
**Pump**

Fluid  
**CHEVRON MEROPA 220 (17 GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0766954</b>	---	---
Sample Date	Client Info	<b>19 Dec 2022</b>	---	---
Machine Age	mths Client Info	<b>12</b>	---	---
Oil Age	mths Client Info	<b>12</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>90	<b>88</b>	---	---
Chromium ppm ASTM D5185m	>5	<b>1</b>	---	---
Nickel ppm ASTM D5185m	>5	<b>&lt;1</b>	---	---
Titanium ppm ASTM D5185m	>3	<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m	>3	<b>1</b>	---	---
Aluminum ppm ASTM D5185m	>7	<b>&lt;1</b>	---	---
Lead ppm ASTM D5185m	>12	<b>1</b>	---	---
Copper ppm ASTM D5185m	>30	<b>&lt;1</b>	---	---
Tin ppm ASTM D5185m	>9	<b>2</b>	---	---
Vanadium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium ppm ASTM D5185m		<b>&lt;1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	40	<b>33</b>	---	---
Barium ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum ppm ASTM D5185m		<b>&lt;1</b>	---	---
Manganese ppm ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium ppm ASTM D5185m		<b>6</b>	---	---
Calcium ppm ASTM D5185m		<b>466</b>	---	---
Phosphorus ppm ASTM D5185m	270	<b>483</b>	---	---
Zinc ppm ASTM D5185m		<b>19</b>	---	---
Sulfur ppm ASTM D5185m	8600	<b>7436</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>60	<b>2</b>	---	---
Sodium ppm ASTM D5185m		<b>2</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>3</b>	---	---

## FLUID DEGRADATION

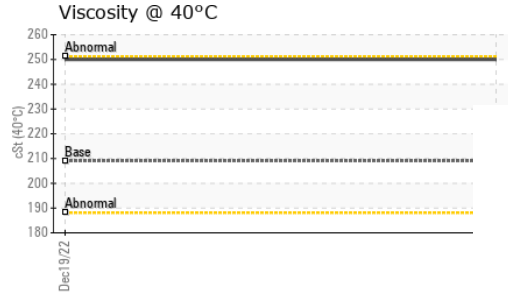
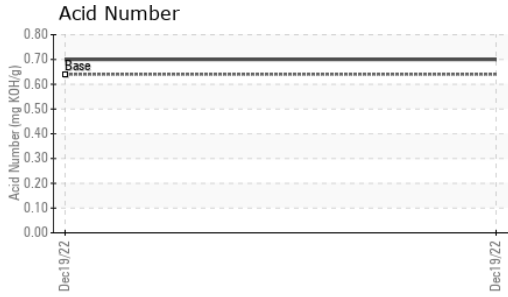
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.64	<b>0.70</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>NONE</b>	---	---
Debris scalar *Visual	NONE	<b>VLITE</b>	---	---
Sand/Dirt scalar *Visual	NONE	<b>NONE</b>	---	---
Appearance scalar *Visual	NORML	<b>NORML</b>	---	---
Odor scalar *Visual	NORML	<b>NORML</b>	---	---
Emulsified Water scalar *Visual		<b>NEG</b>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---



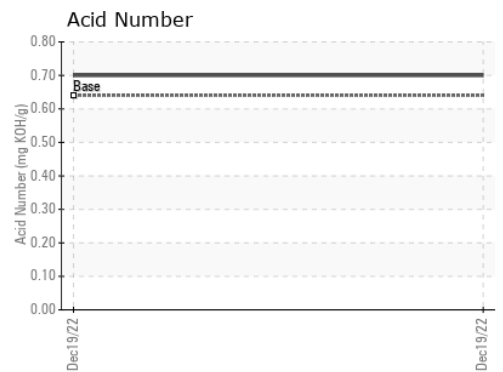
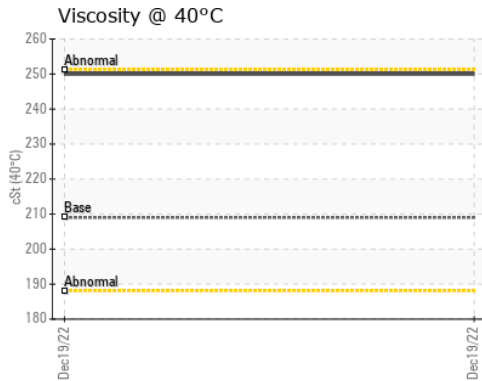
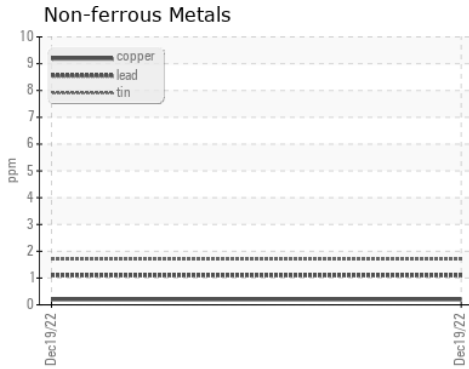
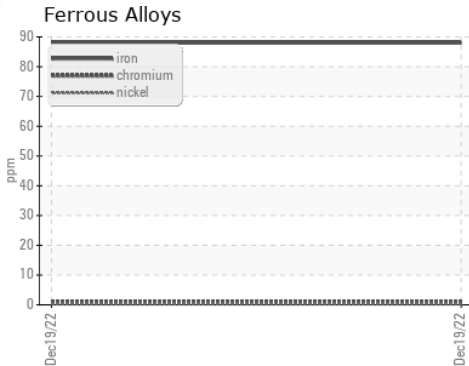
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	209	250	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0766954 **Received** : 22 Dec 2022  
**Lab Number** : 05724225 **Diagnosed** : 24 Dec 2022  
**Unique Number** : 10268806 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**PRINSCO**  
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 US 60921  
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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)