



PERFORMANCE  
UNDER  
PRESSURE

OIL ANALYSIS REPORT

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

Area  
**MELT SHOP CCM**  
Machine Id  
**3 BOW SEGMENT (S/N 15-5000-510-0030)**  
Component  
**Gearbox**  
Fluid  
**GEAR OIL ISO 320 (--- QTS)**

**RECOMMENDATION**

Please note that all wear metal and contaminant levels are being considered accumulative. No corrective action is recommended at this time. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please note that this is a corrected copy for diagnostic comment updates.

**WEAR**

Gear wear is indicated.

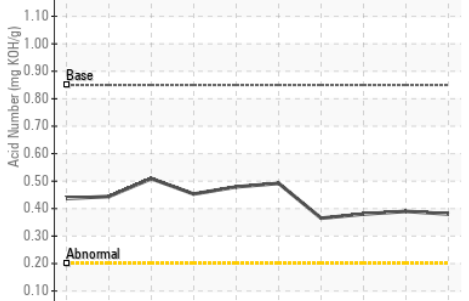
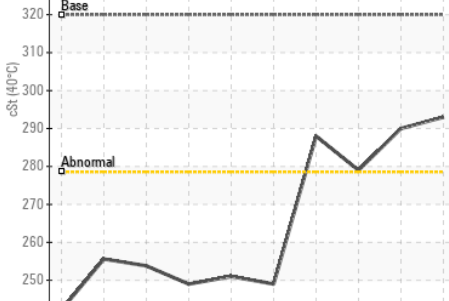
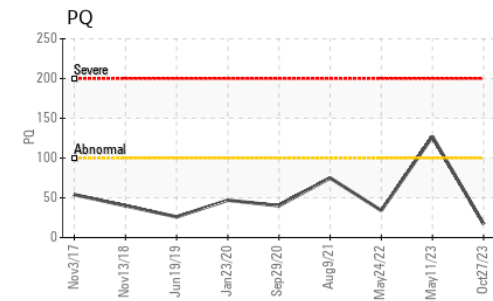
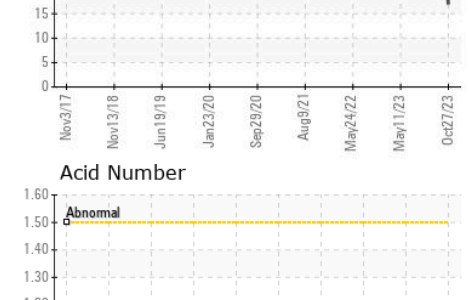
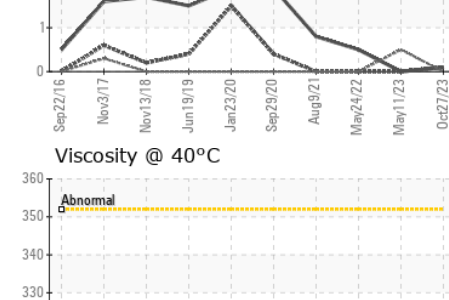
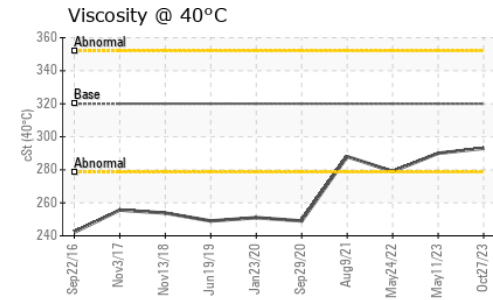
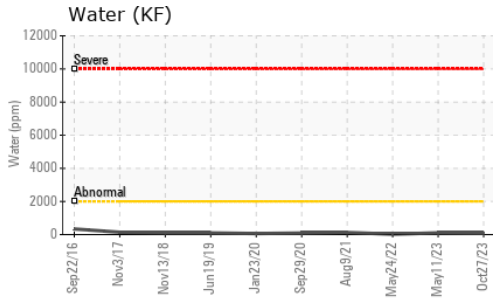
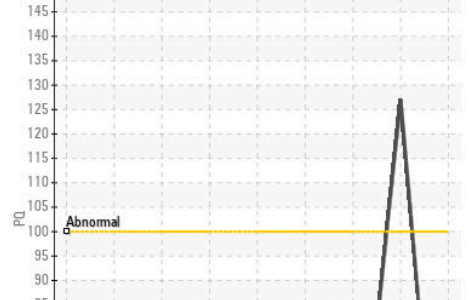
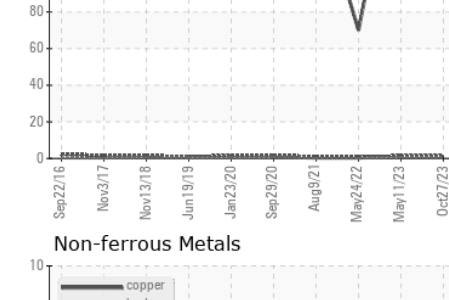
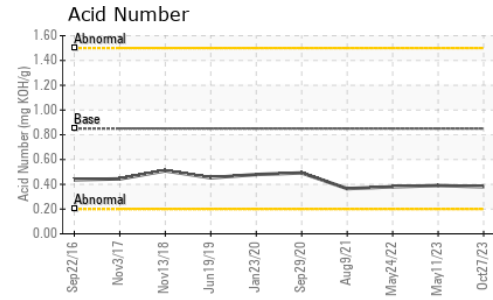
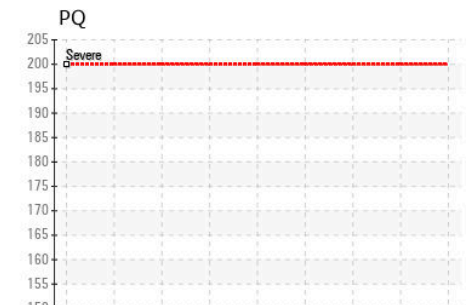
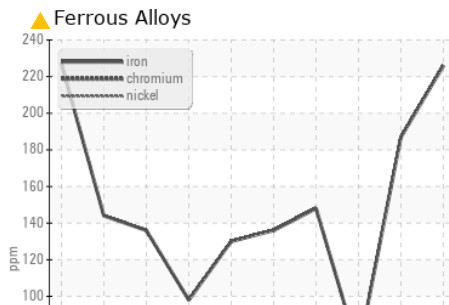
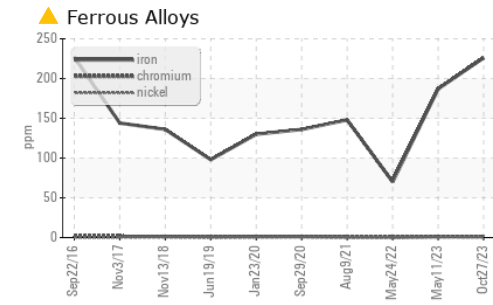
**CONTAMINATION**

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RP0038355</b>	RP0035093	RP0026520
Sample Date		Client Info		<b>27 Oct 2023</b>	11 May 2023	24 May 2022
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
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>ABNORMAL</b>	NORMAL	NORMAL
PQ		ASTM D8184		<b>17</b>	127	34
Iron	ppm	ASTM D5185m	>200	<b>▲ 226</b>	187	70
Chromium	ppm	ASTM D5185m	>15	<b>1</b>	1	<1
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	2	4
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>25	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	<b>7</b>	6	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	0
Water	%	ASTM D6304	>0.2	<b>0.007</b>	0.010	0.002
ppm Water	ppm	ASTM D6304	>2000	<b>72.8</b>	108.7	17.5
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	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>1</b>	2	1
Boron	ppm	ASTM D5185m	50	<b>12</b>	11	8
Barium	ppm	ASTM D5185m	15	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	15	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185m	50	<b>4</b>	<1	<1
Calcium	ppm	ASTM D5185m	50	<b>8</b>	5	24
Phosphorus	ppm	ASTM D5185m	350	<b>205</b>	214	172
Zinc	ppm	ASTM D5185m	100	<b>53</b>	14	30
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	<b>0.38</b>	0.39	0.38
Visc @ 40°C	cSt	ASTM D445	320	<b>293</b>	290	279



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0038355 **Received** : 30 Oct 2023  
**Lab Number** : 05992915 **Tested** : 31 Oct 2023  
**Unique Number** : 10715577 **Diagnosed** : 19 Feb 2024 - Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: PQ )

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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