



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

Machine Id  
**H210-0870**  
Component  
**Propel Drive Gearbox**  
Fluid  
**GEAR OIL ISO 220 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0216006</b>	JR0188037	---
Sample Date		Client Info		<b>28 May 2024</b>	18 Oct 2023	---
Machine Age	hrs	Client Info		<b>2131</b>	2131	---
Oil Age	hrs	Client Info		<b>2131</b>	2131	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>ATTENTION</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>59</b>	112	---
Iron	ppm	ASTM D5185m	>200	<b>110</b>	▲ 736	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	4	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	8	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m		<b>0</b>	8	---
Lead	ppm	ASTM D5185m		<b>0</b>	18	---
Copper	ppm	ASTM D5185m		<b>&lt;1</b>	137	---
Tin	ppm	ASTM D5185m		<b>0</b>	2	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

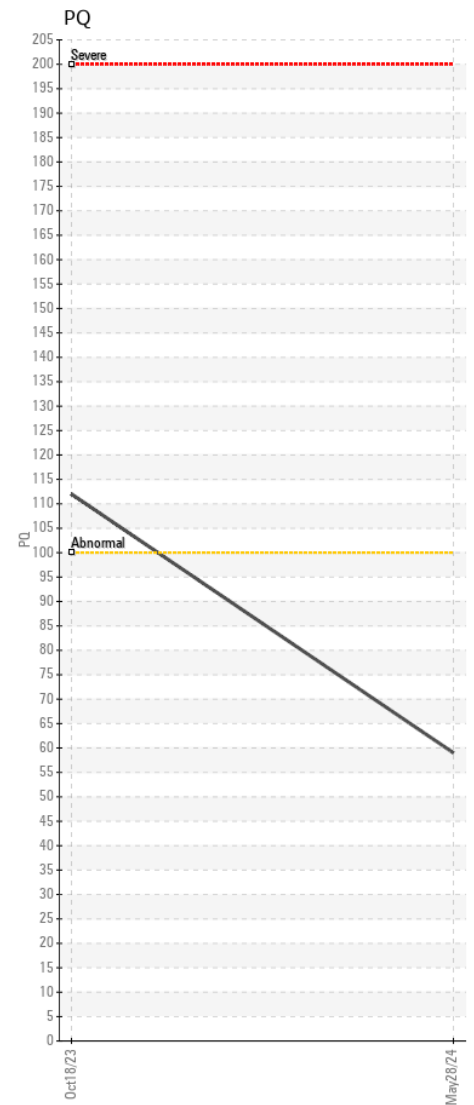
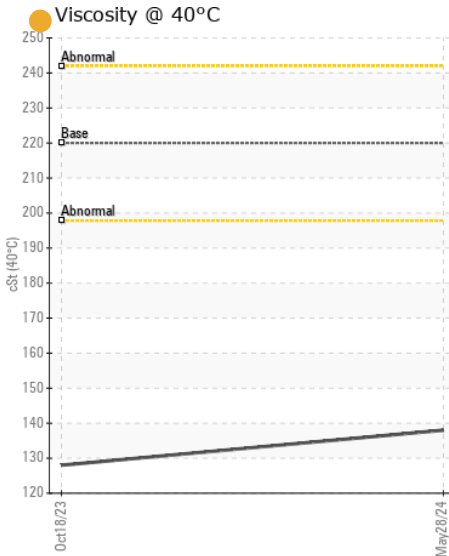
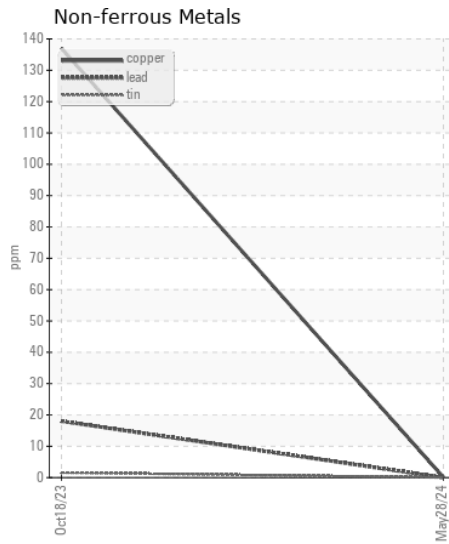
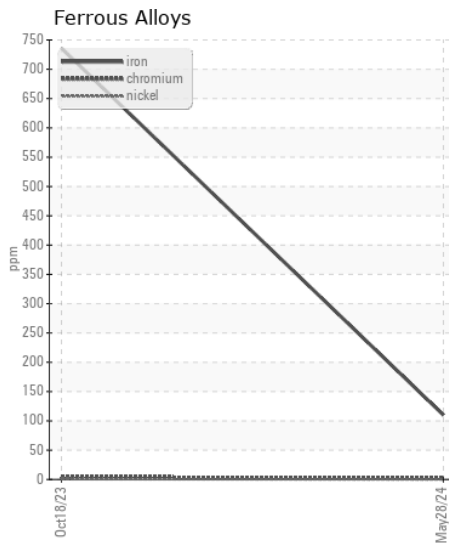
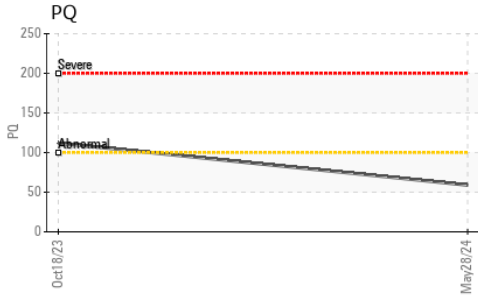
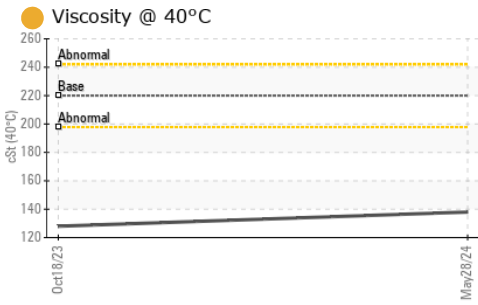
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>5</b>	41	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	5	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>2</b>	11	---
Boron	ppm	ASTM D5185m	50	<b>8</b>	17	---
Barium	ppm	ASTM D5185m	15	<b>16</b>	9	---
Molybdenum	ppm	ASTM D5185m	15	<b>0</b>	2	---
Manganese	ppm	ASTM D5185m		<b>2</b>	8	---
Magnesium	ppm	ASTM D5185m	50	<b>8</b>	5	---
Calcium	ppm	ASTM D5185m	50	<b>11</b>	60	---
Phosphorus	ppm	ASTM D5185m	350	<b>310</b>	1214	---
Zinc	ppm	ASTM D5185m	100	<b>0</b>	558	---
Sulfur	ppm	ASTM D5185m	12500	<b>19686</b>	26146	---
Visc @ 40°C	cSt	ASTM D445	220	● <b>138</b>	● 128	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0216006 **Received** : 29 May 2024  
**Lab Number** : 06194267 **Tested** : 30 May 2024  
**Unique Number** : 11056390 **Diagnosed** : 31 May 2024 - Don Baldrige  
**Test Package** : CONST ( 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)

**JRE - GREENSBORO**  
 411 SOUTH REGIONAL ROAD  
 GREENSBORO, NC  
 US 27409

Contact: NICK GALLAHER  
 NGALLAHER@JRENET.COM

T: (336)668-2762  
 F: (336)665-9556