



WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
pm 061248 (S/N A37586)
 Component
Pump Drive
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221235	JR0210310	---
Sample Date		Client Info		15 Jul 2024	07 Mar 2024	---
Machine Age	hrs	Client Info		5946	5444	---
Oil Age	hrs	Client Info		5444	0	---
Filter Age	hrs	Client Info		5444	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		None	N/A	---
Sample Status				SEVERE	SEVERE	---

WEAR

Gear wear is indicated.

PQ		ASTM D8184		471	547	---
Iron	ppm	ASTM D5185m	>500	▲ 3686	▲ 3577	---
Chromium	ppm	ASTM D5185m	>15	▲ 28	▲ 28	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		2	1	---
Silver	ppm	ASTM D5185m		<1	<1	---
Aluminum	ppm	ASTM D5185m	>20	10	9	---
Lead	ppm	ASTM D5185m		1	2	---
Copper	ppm	ASTM D5185m	>35	132	119	---
Tin	ppm	ASTM D5185m	>4	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

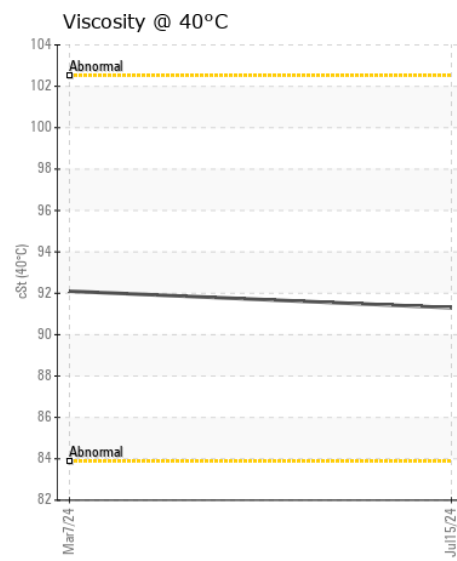
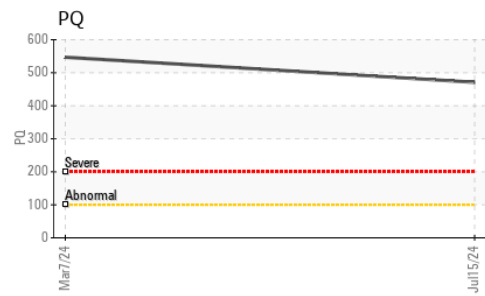
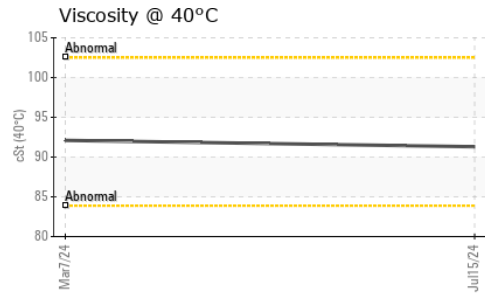
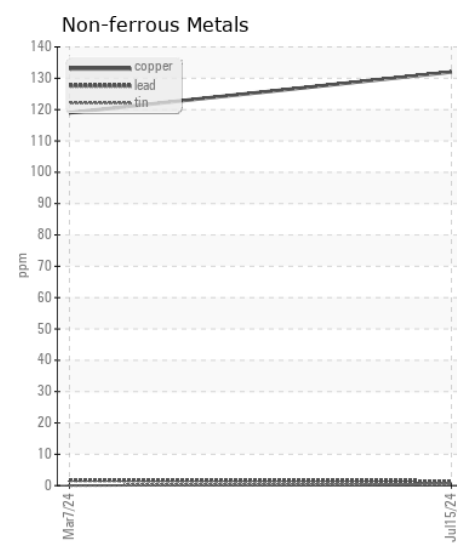
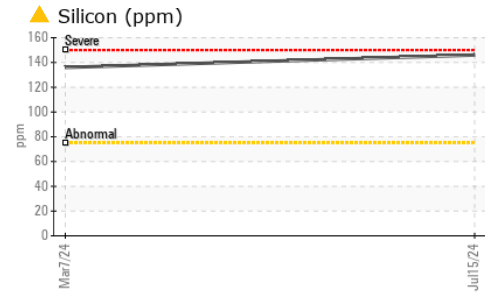
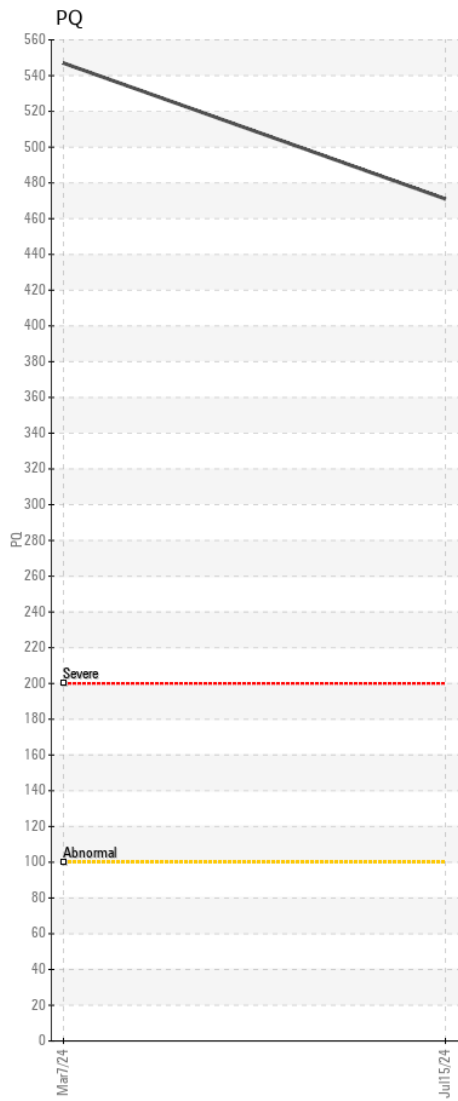
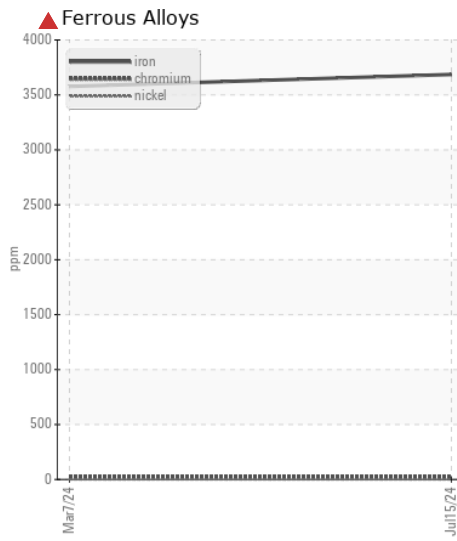
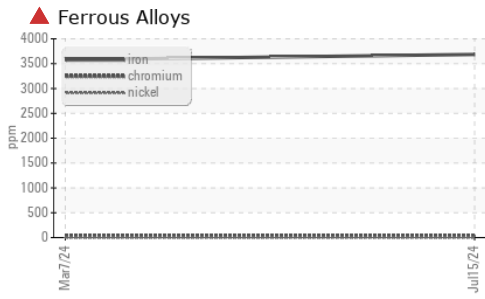
Elemental level of silicon (Si) above normal.

Silicon	ppm	ASTM D5185m	>75	▲ 146	▲ 136	---
Potassium	ppm	ASTM D5185m	>20	11	10	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		4	5	---
Boron	ppm	ASTM D5185m		37	26	---
Barium	ppm	ASTM D5185m		5	<1	---
Molybdenum	ppm	ASTM D5185m		76	60	---
Manganese	ppm	ASTM D5185m		27	28	---
Magnesium	ppm	ASTM D5185m		117	80	---
Calcium	ppm	ASTM D5185m		3581	3659	---
Phosphorus	ppm	ASTM D5185m		947	943	---
Zinc	ppm	ASTM D5185m		1048	1038	---
Sulfur	ppm	ASTM D5185m		5891	6682	---
Visc @ 40°C	cSt	ASTM D445		91.3	92.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221235 **Received** : 18 Jul 2024
Lab Number : 06240578 **Tested** : 19 Jul 2024
Unique Number : 11129412 **Diagnosed** : 20 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - STEPHENSON
 245 YARDMASTER COURT
 STEPHENSON, VA
 US 22656-1761
 Contact: COTY MAGAHA
 coty.magaha@jamesriverequipment.com

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)

T:
 F: (540)869-0549