



Area
G.LOPES CONSTRUCTION INC./Off-Road
Machine Id
D870
Component
Hydraulic System
Fluid
MOBIL MOBILFLUID 424 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0122721	PCA35437018	PCA44186019
Sample Date		Client Info		02 Jul 2024	08 May 2019	05 Feb 2018
Machine Age	hrs	Client Info		21293	5024	4922
Oil Age	hrs	Client Info		21293	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	7	4	3
Chromium	ppm	ASTM D5185m	>10	<1	1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	4	1	1
Lead	ppm	ASTM D5185m	>10	<1	0	1
Copper	ppm	ASTM D5185m	>75	6	6	12
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

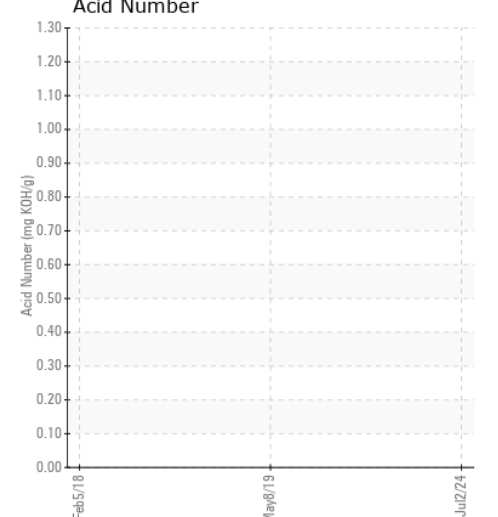
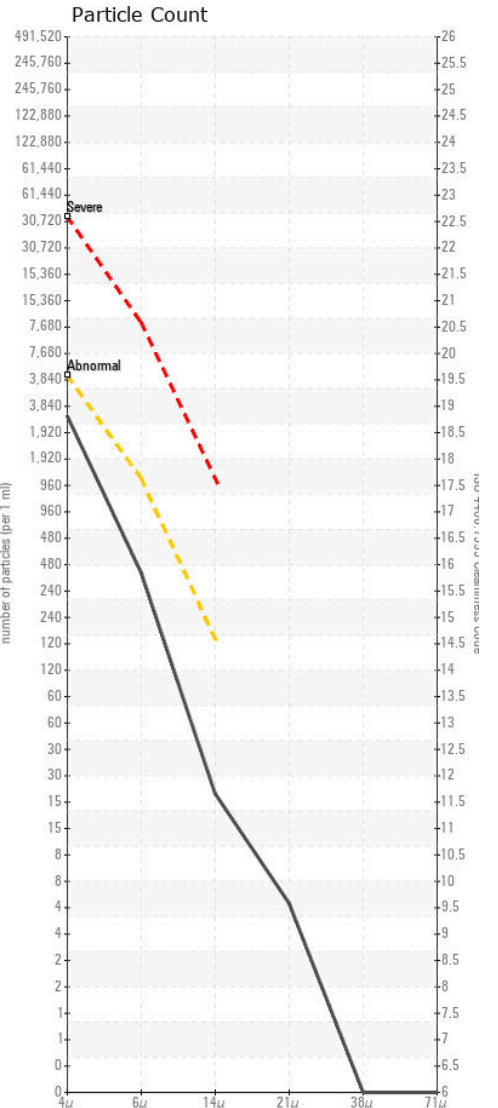
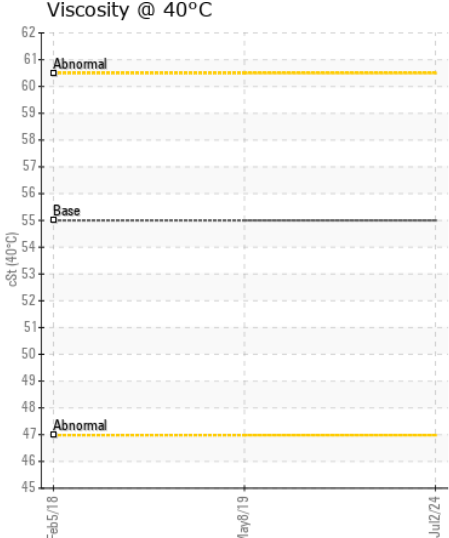
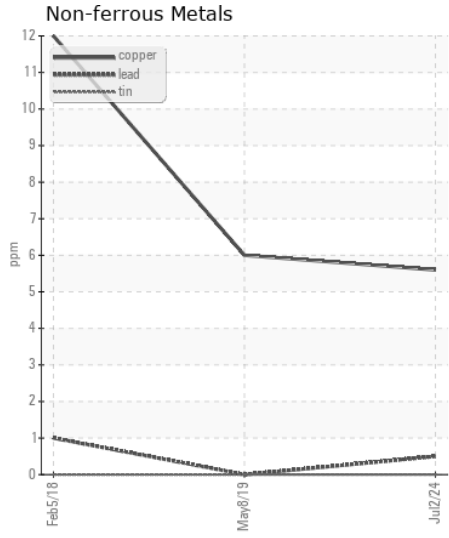
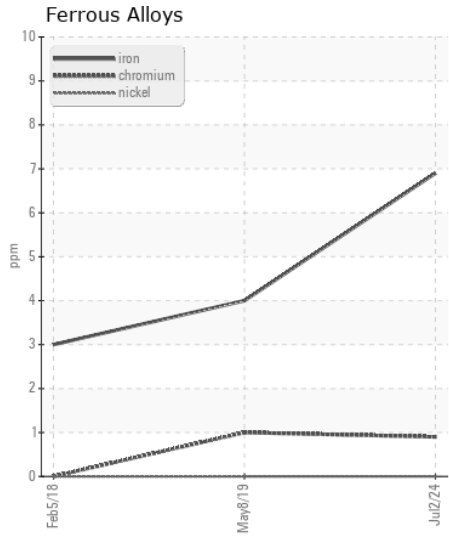
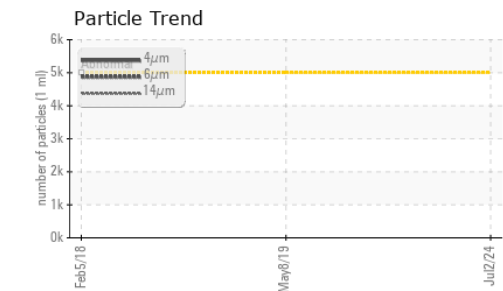
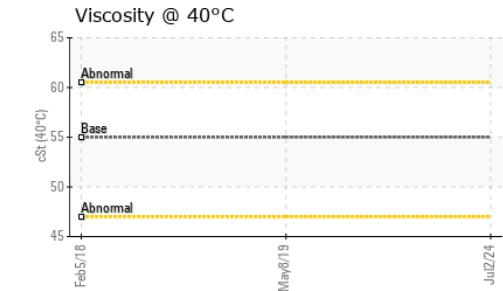
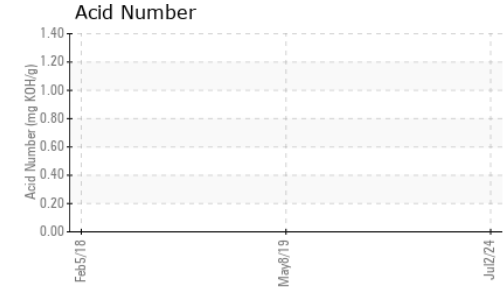
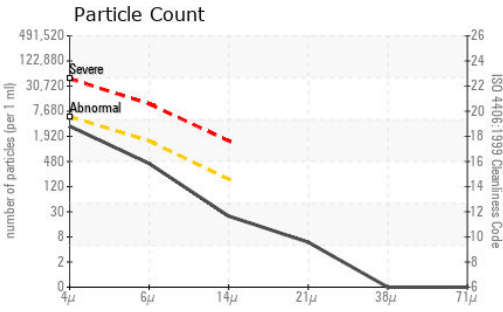
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	13	12	12
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	2945	---	---
Particles >6µm		ASTM D7647	>1300	378	---	---
Particles >14µm		ASTM D7647	>160	21	---	---
Particles >21µm		ASTM D7647	>40	5	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	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		5	2	5
Boron	ppm	ASTM D5185m		60	96	103
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		4	8	2
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		59	91	49
Calcium	ppm	ASTM D5185m		2874	2928	3065
Phosphorus	ppm	ASTM D5185m		1040	1047	1326
Zinc	ppm	ASTM D5185m		1199	1126	1217
Sulfur	ppm	ASTM D5185m		3532	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.28	---	---
Visc @ 40°C	cSt	ASTM D445	55	49.0	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122721 **Received** : 08 Jul 2024
Lab Number : 06230136 **Tested** : 09 Jul 2024
Unique Number : 11113629 **Diagnosed** : 09 Jul 2024 - Wes Davis
Test Package : MOB 2

G LOPES CONSTRUCTION
 565 WINTHROP ST
 TAUNTON, MA
 US 02780
 Contact: BUTCH MCGRATH
 bmcgrath@glopes.com
 T:
 F:

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)