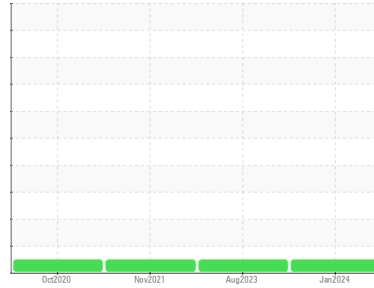


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
24A
Machine Id
[24A] 24A Strainer Gearbox
Component
Circulating System
Fluid
MOBIL SHC 630 (--- 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			PCA0076360	PCA0076353	PCA0049846
Sample Date	Client Info			23 Jan 2024	15 Aug 2023	04 Nov 2021
Machine Age	hrs	Client Info		0	8760	0
Oil Age	hrs	Client Info		0	8760	0
Oil Changed	Client Info			N/A	Oil Added	N/A
Sample Status				NORMAL	NORMAL	NORMAL

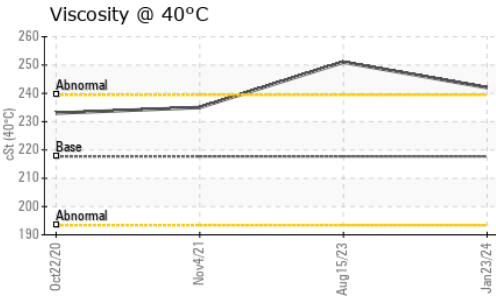
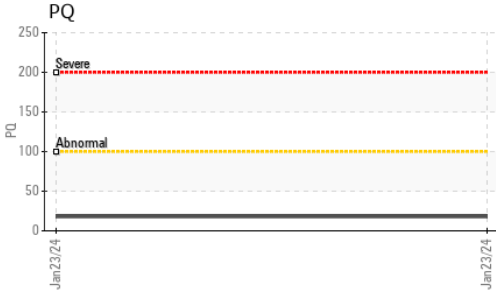
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		18	---	---
Iron	ppm	ASTM D5185m		10	11	14
Chromium	ppm	ASTM D5185m		0	0	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		<1	<1	<1
Lead	ppm	ASTM D5185m		0	1	<1
Copper	ppm	ASTM D5185m		<1	5	<1
Tin	ppm	ASTM D5185m		<1	<1	<1
Antimony	ppm	ASTM D5185m		---	---	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		32	16	29
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1	<1	0
Calcium	ppm	ASTM D5185m		5	4	5
Phosphorus	ppm	ASTM D5185m		298	314	360
Zinc	ppm	ASTM D5185m		9	0	28
Sulfur	ppm	ASTM D5185m		9251	11790	10721

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		31	31	25
Sodium	ppm	ASTM D5185m		1	2	<1
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304		NEG	NEG	NEG

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.61	0.73	0.721

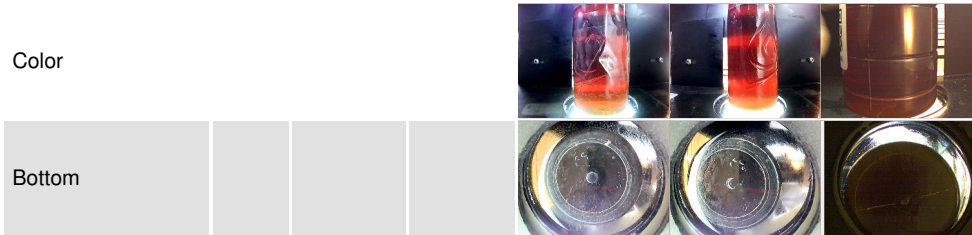
OIL ANALYSIS REPORT



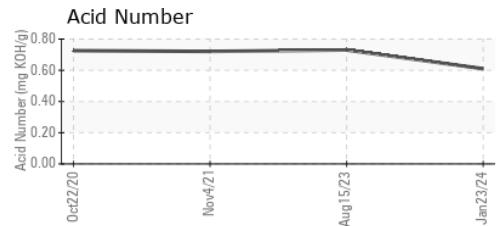
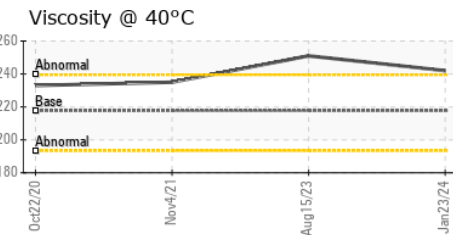
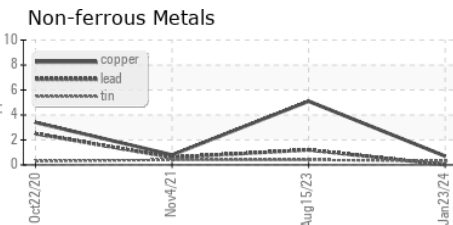
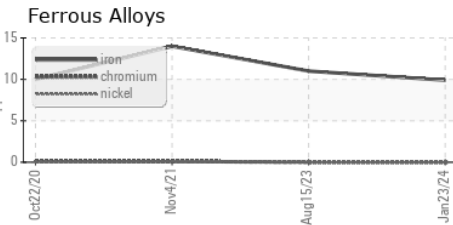
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	217.7	242	251	235

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0076360 **Recieved** : 24 Jan 2024
Lab Number : 06070088 **Diagnosed** : 26 Jan 2024
Unique Number : 10846765 **Diagnostician** : Jonathan Hester
Test Package : PLANT

ACHILLES USA INC
 1407 80TH STREET SW
 EVERETT, WA
 US 98203
 Contact: TONY DEHLER
 tdehler@achillesusa.com
 T: (425)438-4681
 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)