



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
NOT GIVEN
 Machine Id
DMC 19F16210085 - MAIL SHARK
 Component
Compressor
 Fluid
REFRIG COMP OIL ISO 46 (--- 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	UFD0001695	---	---
Sample Date	Client Info	12 Jan 2024	---	---
Machine Age	hrs Client Info	18897	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	0	---	---
Chromium ppm ASTM D5185m	>10	0	---	---
Nickel ppm ASTM D5185m		0	---	---
Titanium ppm ASTM D5185m		0	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	0	---	---
Lead ppm ASTM D5185m	>25	0	---	---
Copper ppm ASTM D5185m	>50	<1	---	---
Tin ppm ASTM D5185m	>15	0	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	5	0	---	---
Barium ppm ASTM D5185m	5	2	---	---
Molybdenum ppm ASTM D5185m	5	0	---	---
Manganese ppm ASTM D5185m		0	---	---
Magnesium ppm ASTM D5185m	5	<1	---	---
Calcium ppm ASTM D5185m	12	2	---	---
Phosphorus ppm ASTM D5185m	12	2	---	---
Zinc ppm ASTM D5185m	12	<1	---	---
Sulfur ppm ASTM D5185m	1000	1889	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	<1	---	---
Sodium ppm ASTM D5185m		3	---	---
Potassium ppm ASTM D5185m	>20	0	---	---
Water % ASTM D6304	>0.1	NEG	---	---

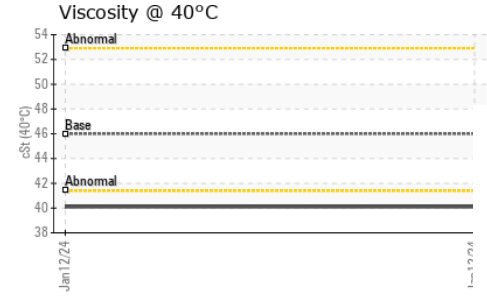
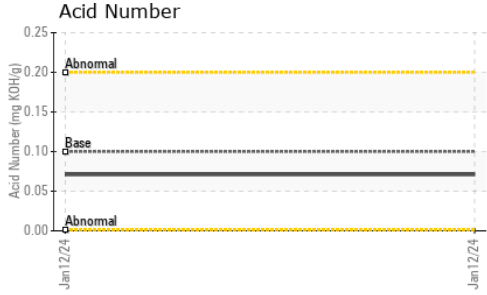
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.10	0.071	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	LIGHT	---	---
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	---	---
Free Water scalar *Visual		NEG	---	---

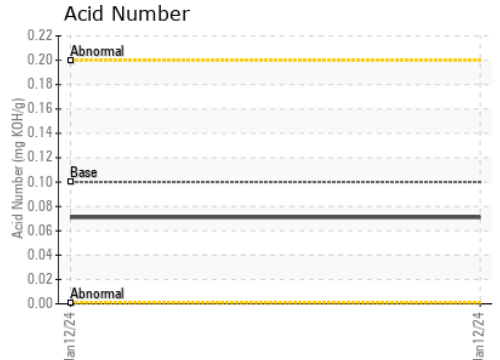
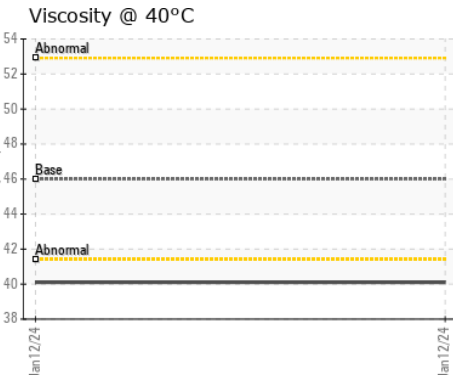
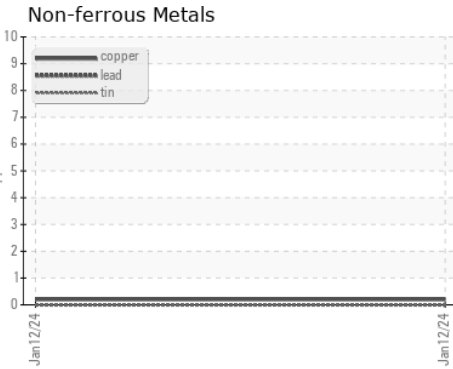
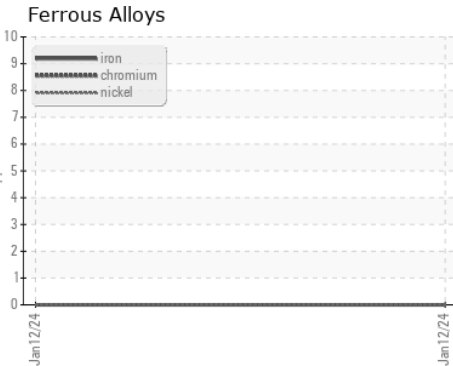
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	40.1	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UFD0001695 **Received** : 20 Mar 2024
Lab Number : 06123753 **Tested** : 22 Mar 2024
Unique Number : 10937904 **Diagnosed** : 22 Mar 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

FLUID-AIRE DYNAMICS
 36 MOUNTAIN VIEW RD
 MORGANTOWN, PA
 US 19543
 Contact: Service Manager

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: