



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
MISSION RANCHO
Machine Id
MISSION RANCHO C1
Component
Refrigeration Compressor
Fluid
FRICK COMPRESSOR OIL #13 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

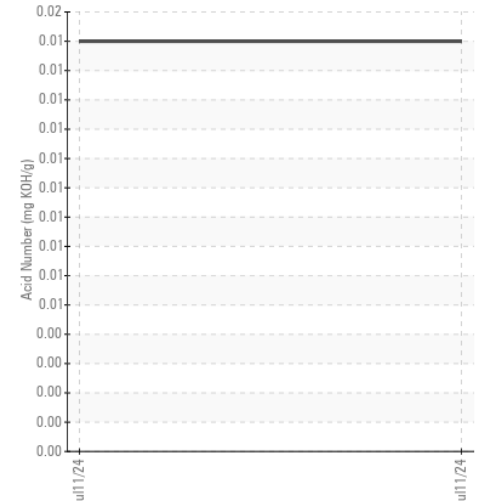
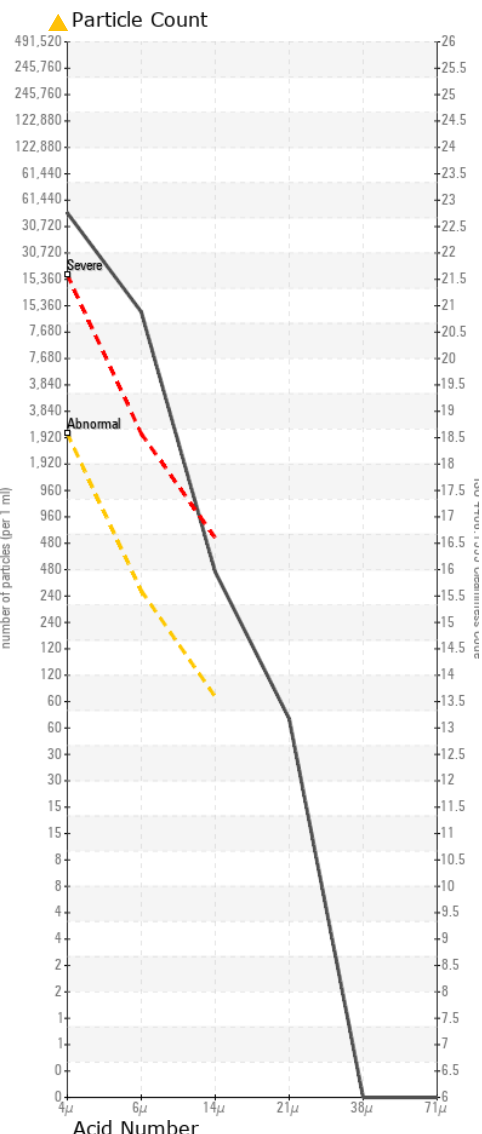
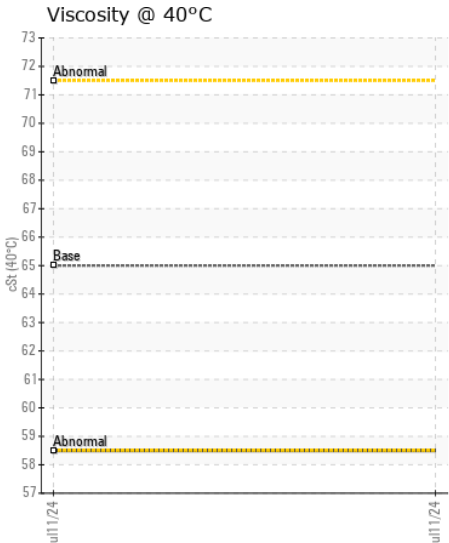
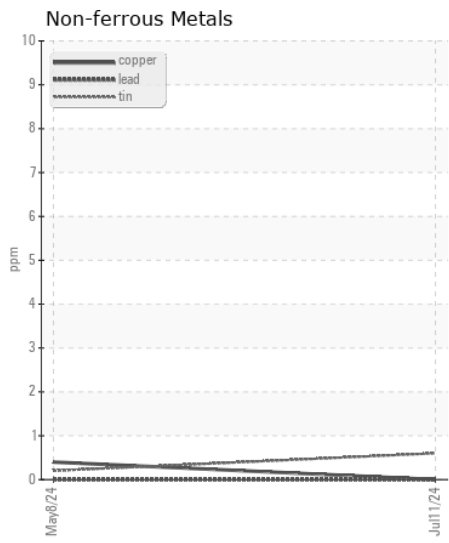
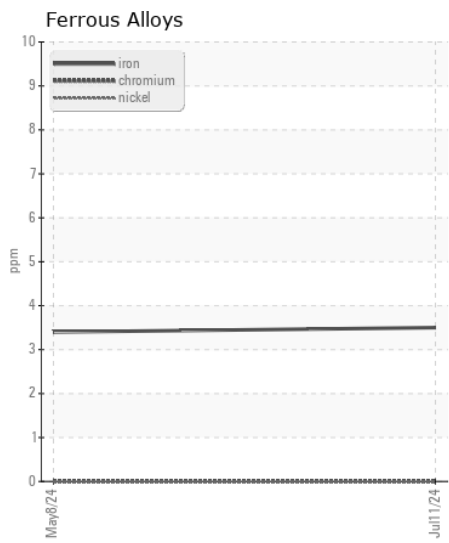
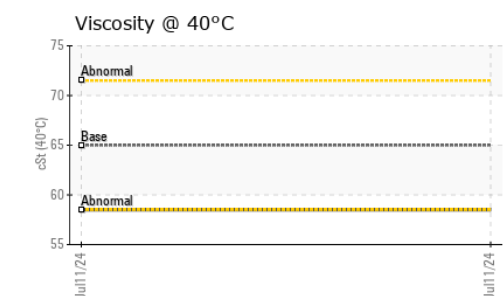
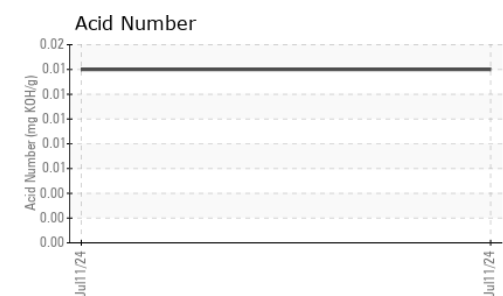
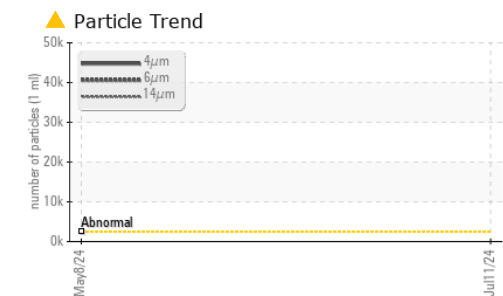
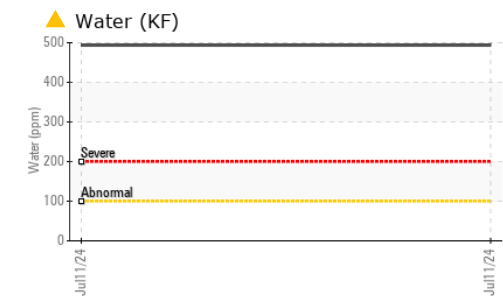
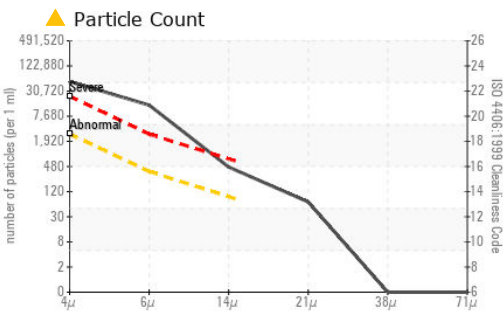
CONTAMINATION

There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		USP0012279	USP0011523	---
Sample Date		Client Info		11 Jul 2024	08 May 2024	---
Machine Age	hrs	Client Info		59465	54291	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>8	4	3	---
Chromium	ppm	ASTM D5185m	>2	0	0	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>3	<1	0	---
Lead	ppm	ASTM D5185m	>2	0	0	---
Copper	ppm	ASTM D5185m	>8	0	<1	---
Tin	ppm	ASTM D5185m	>4	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>15	8	5	---
Potassium	ppm	ASTM D5185m	>20	<1	2	---
Water	%	ASTM D6304	>0.01	▲ 0.049	---	---
ppm Water	ppm	ASTM D6304	>100	▲ 494	---	---
Particles >4µm		ASTM D7647	>2500	▲ 44938	---	---
Particles >6µm		ASTM D7647	>320	▲ 12295	---	---
Particles >14µm		ASTM D7647	>80	▲ 409	---	---
Particles >21µm		ASTM D7647	>20	▲ 60	---	---
Particles >38µm		ASTM D7647	>4	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/15/13	▲ 23/21/16	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	---
Sodium	ppm	ASTM D5185m		0	<1	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		0	0	---
Calcium	ppm	ASTM D5185m		0	0	---
Phosphorus	ppm	ASTM D5185m		0	0	---
Zinc	ppm	ASTM D5185m		0	0	---
Sulfur	ppm	ASTM D5185m		0	10	---
Acid Number (AN)	mg KOH/g	ASTM D974		0.014	---	---
Visc @ 40°C	cSt	ASTM D445	65.0	58.5	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0012279 **Received** : 12 Jul 2024
Lab Number : 06234994 **Tested** : 15 Jul 2024
Unique Number : 11123828 **Diagnosed** : 15 Jul 2024 - Doug Bogart
Test Package : IND 2

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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)