



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
ALBERTSONS BREA
 Machine Id
C-08 - ALBERTSONS BREA (S/N F0365ZFMNTHAA03)
 Component
Refrigeration Compressor
 Fluid
REFRIG COMP OIL ISO 68 (75 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		USP0007526	USP250814	---
Sample Date		Client Info		28 Feb 2024	01 Jun 2023	---
Machine Age	hrs	Client Info		126310	120256	---
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				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>8	8	▲ 18	---
Chromium	ppm	ASTM D5185m	>2	<1	0	---
Nickel	ppm	ASTM D5185m		<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>3	<1	0	---
Lead	ppm	ASTM D5185m	>2	0	0	---
Copper	ppm	ASTM D5185m	>8	0	0	---
Tin	ppm	ASTM D5185m	>4	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

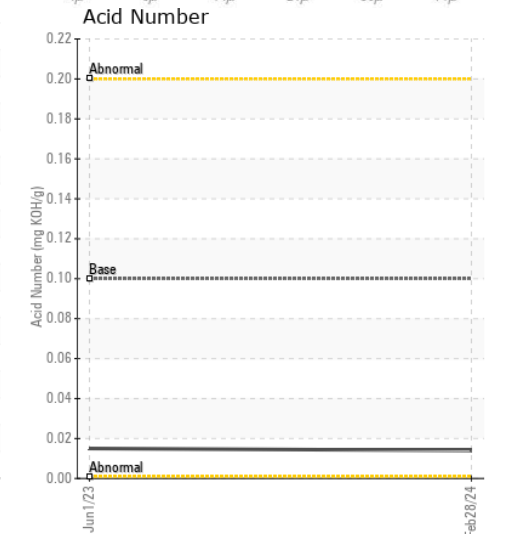
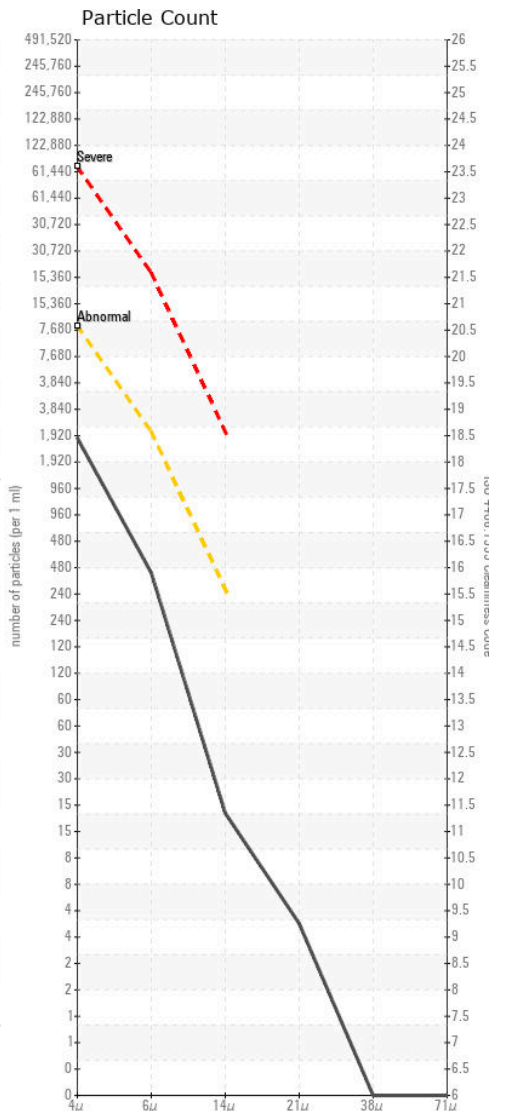
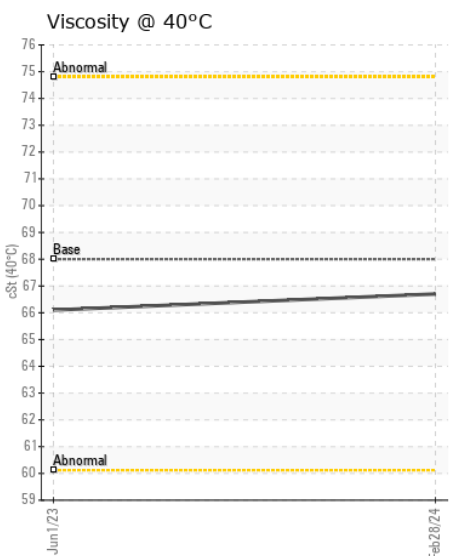
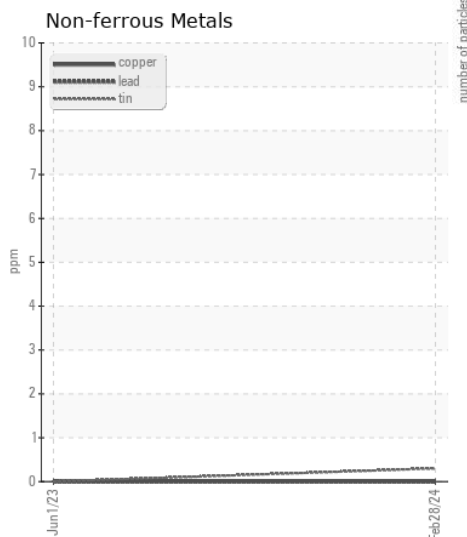
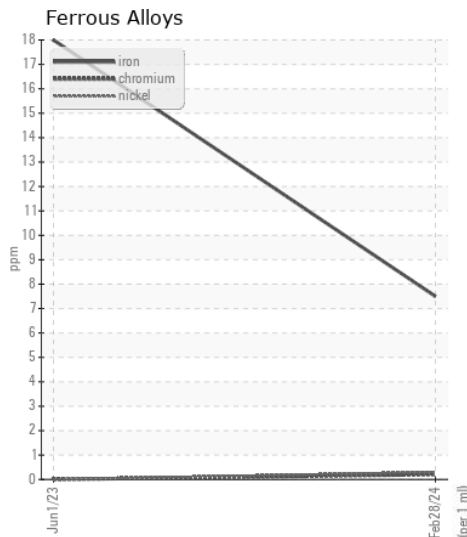
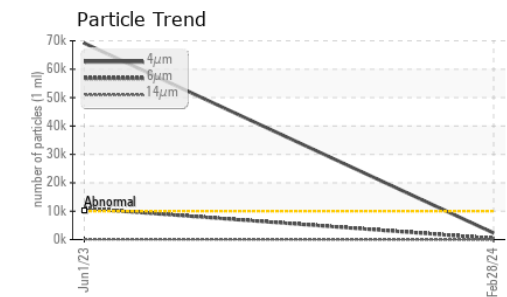
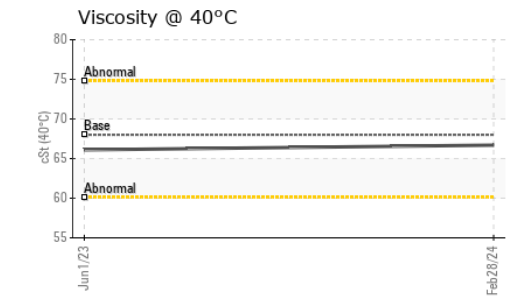
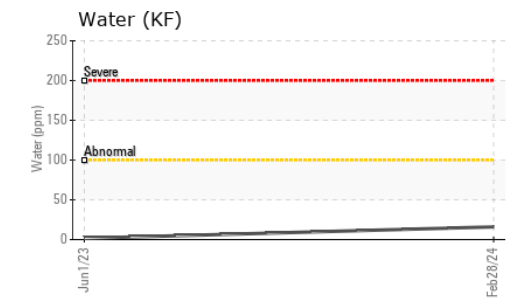
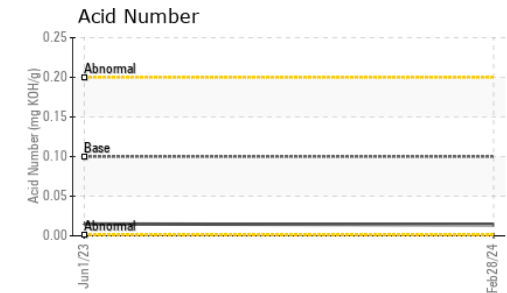
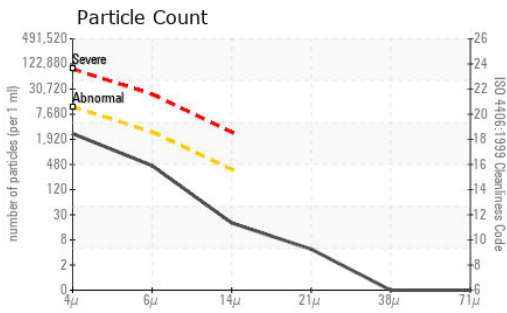
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>15	1	0	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Water	%	ASTM D6304	>0.01	0.002	0.001	---
ppm Water	ppm	ASTM D6304	>100	16	1.6	---
Particles >4µm		ASTM D7647	>10000	2303	▲ 69164	---
Particles >6µm		ASTM D7647	>2500	394	▲ 10960	---
Particles >14µm		ASTM D7647	>320	17	138	---
Particles >21µm		ASTM D7647	>80	4	18	---
Particles >38µm		ASTM D7647	>20	0	0	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	18/16/11	▲ 23/21/14	---
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	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<1	0	---
Boron	ppm	ASTM D5185m	5	0	0	---
Barium	ppm	ASTM D5185m	5	0	0	---
Molybdenum	ppm	ASTM D5185m	5	<1	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	5	<1	0	---
Calcium	ppm	ASTM D5185m	12	0	0	---
Phosphorus	ppm	ASTM D5185m	12	<1	1	---
Zinc	ppm	ASTM D5185m	12	<1	0	---
Sulfur	ppm	ASTM D5185m	1000	0	3	---
Acid Number (AN)	mg KOH/g	ASTM D974	0.10	0.014	0.015	---
Visc @ 40°C	cSt	ASTM D445	68	66.7	66.1	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0007526 **Received** : 29 Feb 2024
Lab Number : 06104372 **Tested** : 01 Mar 2024
Unique Number : 10902602 **Diagnosed** : 01 Mar 2024 - Doug Bogart
Test Package : IND 2

RACE ENGINEERING CORP
 12871 WESTERN AVE, SUITE E
 GARDEN GROVE, CA
 US 92841
 Contact: TODD CARTER
 ttrace@verizon.net
 T: (714)895-3488
 F: (714)895-5125

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)