



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SYN ATF
 Component
New (Unused) Oil
 Fluid
{not provided} (--- QTS)

RECOMMENDATION

This is a baseline read-out on the submitted sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0035526	DC0031302	DC0032559
Sample Date		Client Info		27 Mar 2024	27 Nov 2023	24 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	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

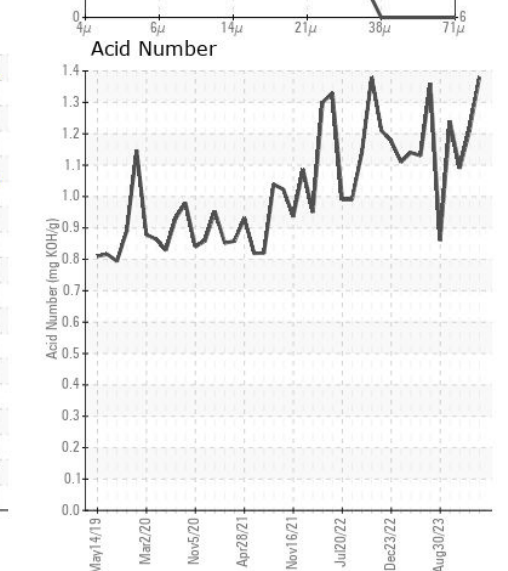
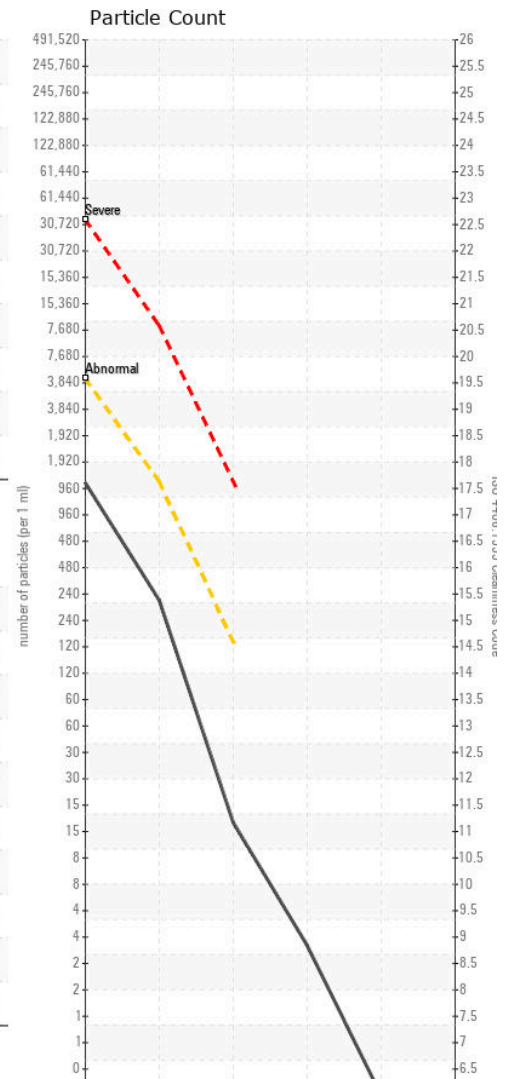
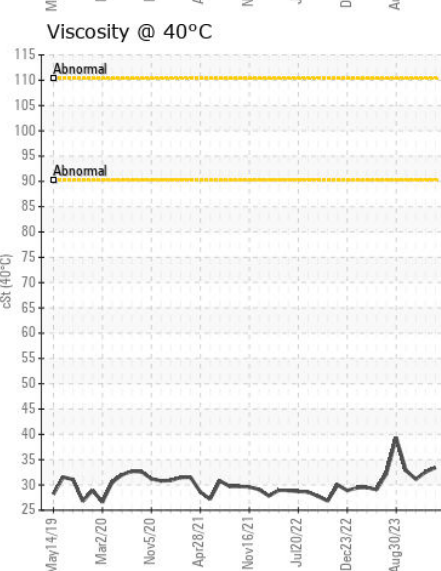
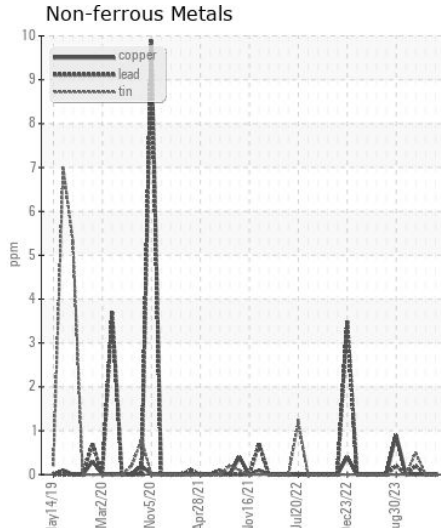
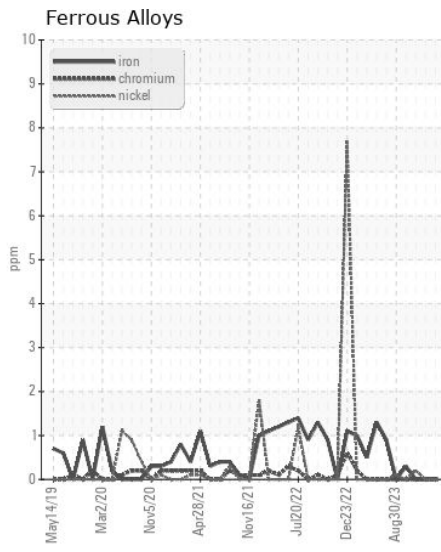
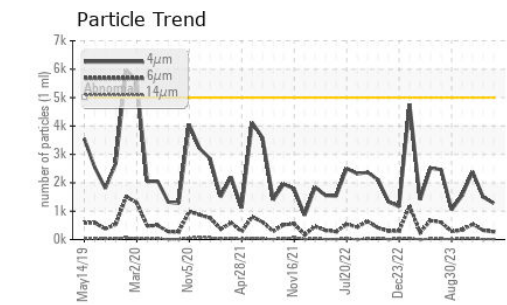
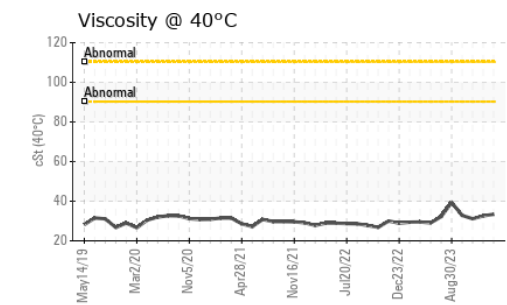
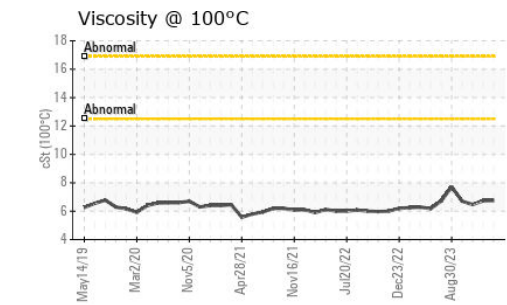
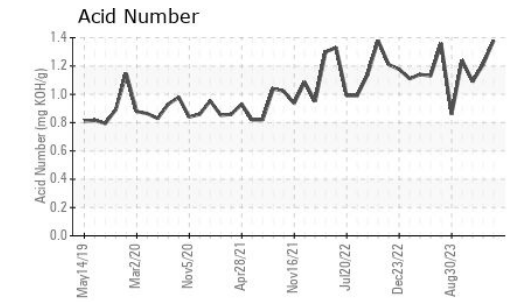
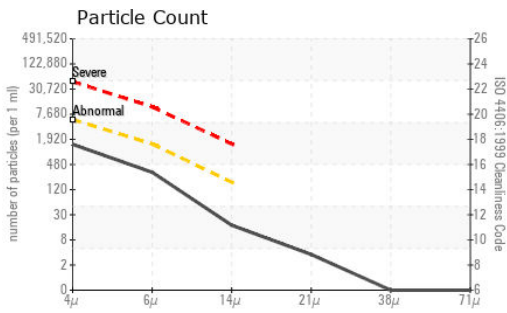
Iron	ppm	ASTM D5185m		0	0	0
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	0	0
Lead	ppm	ASTM D5185m		0	0	<1
Copper	ppm	ASTM D5185m		0	0	0
Tin	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

Silicon	ppm	ASTM D5185m		4	5	5
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method		NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	1280	1504	2388
Particles >6µm		ASTM D7647	>1300	275	326	542
Particles >14µm		ASTM D7647	>160	15	16	32
Particles >21µm		ASTM D7647	>40	3	4	6
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	18/16/11	18/16/12
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG

FLUID CONDITION

Sodium	ppm	ASTM D5185m		<1	0	0
Boron	ppm	ASTM D5185m		72	79	71
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		4	8	6
Calcium	ppm	ASTM D5185m		93	92	93
Phosphorus	ppm	ASTM D5185m		182	174	173
Zinc	ppm	ASTM D5185m		20	3	7
Sulfur	ppm	ASTM D5185m		2096	1896	1805
Acid Number (AN)	mg KOH/g	ASTM D8045		1.38	1.21	1.09
Visc @ 40°C	cSt	ASTM D445		33.42	32.56	31.13
Visc @ 100°C	cSt	ASTM D445		6.74	6.73	6.47
Viscosity Index (VI)	Scale	ASTM D2270		164	170	167



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0035526 **Received** : 23 Apr 2024
Lab Number : 06158652 **Tested** : 25 Apr 2024
Unique Number : 10994075 **Diagnosed** : 25 Apr 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, KV100, PrtCount, VI)

THE UNITED OIL COMPANY - OPERATIONS
 4405 E. BALTIMORE ST
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 Contact: MICHELLE HORNING

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)