

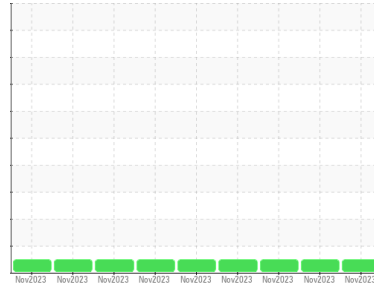


OIL ANALYSIS REPORT

Sample Rating Trend

UNKNOWN

Area
[CAN 196 RECD 9/20/23]
 Machine Id
ASTM LU 2309
 Component
New (Unused) Oil
 Fluid
NOT GIVEN (--- QTS)



DIAGNOSIS

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC110223SF	WC110223JP	WC110223YO
Sample Date	Client Info			02 Nov 2023	02 Nov 2023	02 Nov 2023
Machine Age	hrs Client Info			0	0	0
Oil Age	hrs Client Info			0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				---	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		0	0	0
Chromium	ppm	ASTM D5185m		0	0	<1
Nickel	ppm	ASTM D5185m		0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m		0	1	1
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		0	0	0
Tin	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		61	55	58
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		75	67	69
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		561	435	451
Calcium	ppm	ASTM D5185m		1349	1043	1092
Phosphorus	ppm	ASTM D5185m		792	649	665
Zinc	ppm	ASTM D5185m		1035	740	792
Sulfur	ppm	ASTM D5185m		3000	2240	2351

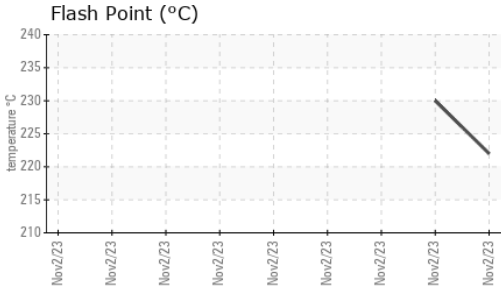
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		9	10	10
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	2	0	1
Water	%	ASTM D6304		0.029	0.020	0.019
ppm Water	ppm	ASTM D6304		293.7	204.3	199.9

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 1.54	1.20	1.80
Base Number (BN)	mg KOH/g	ASTM D2896		7.43	7.29	7.28

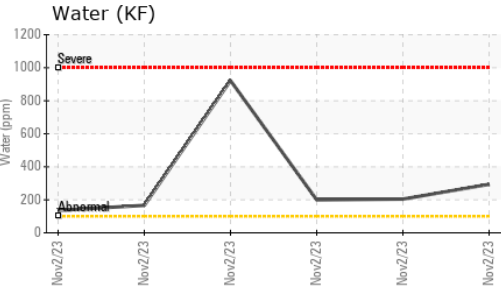
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		▲ 44.67	▲ 44.77	▲ 44.77
Visc @ 100°C	cSt	ASTM D445		▲ 8.24	▲ 8.13	▲ 8.19
Viscosity Index (VI)	Scale	ASTM D2270		161	156	159
Pour Point	°C	ASTM D5950		-36	-36	-36
COC Flash Point	°C	ASTM D92		● 222	● 230	---
ASTM Color	scalar	*ASTM D1500		3.5	3.5	L3.5



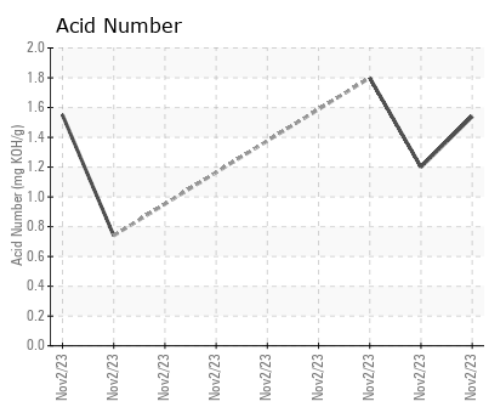
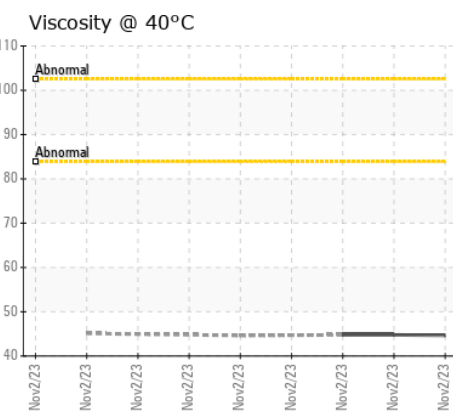
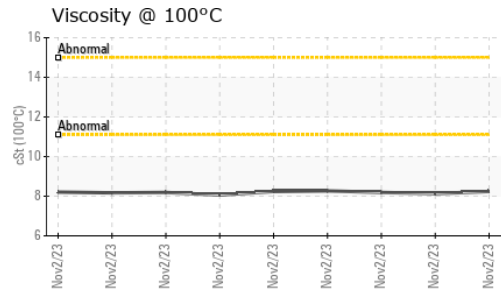
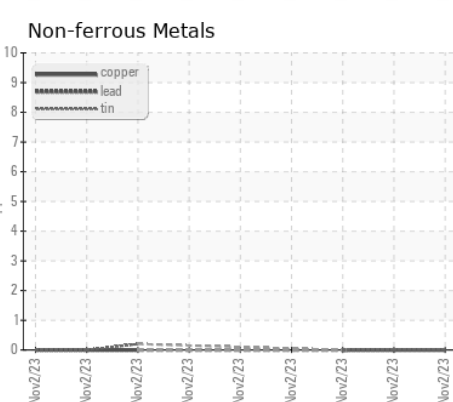
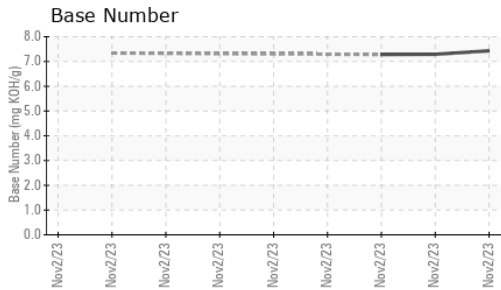
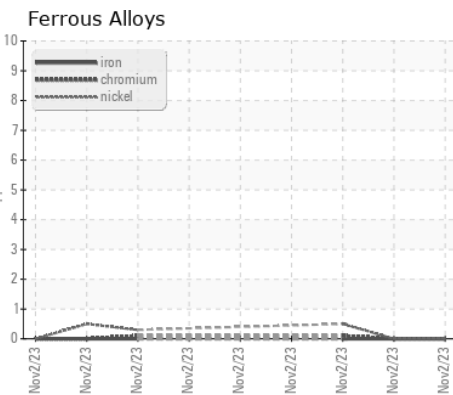
OIL ANALYSIS REPORT



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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC110223SF **Received** : 02 Nov 2023
Lab Number : 05997601 **Diagnosed** : 02 Jan 2024
Unique Number : 10725961 **Diagnostician** : System
Test Package : MOB 2 (Additional Tests: COC Flash, Color-ASTM, FT-IR, ICP-NewOil, KF, KV100, PourPt, PrtCount, TBN
 To discuss this sample report, contact Customer Service at 1-800-237-1369. **Contact:** Doug Bogart
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **dbogart@wearcheckusa.com**
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) **T:**
F: (919)379-4050