



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL 7400 SBA 6X4 T-32 (S/N 1HTWGTAT7HH163597)

Component
Diesel Engine

Fluid
CONOCO PHILLIPS GUARDOL ECT 15W40 (8 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0869359	WC0869324	WC0744361
Sample Date		Client Info		11 Apr 2024	21 Nov 2023	27 Oct 2022
Machine Age	mls	Client Info		276205	260256	229652
Oil Age	mls	Client Info		15705	544	16000
Filter Age	mls	Client Info		15705	544	16000
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>75	25	60	79
Chromium	ppm	ASTM D5185m	>5	1	▲ 9	2
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	90	27	93
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	3	4	5
Lead	ppm	ASTM D5185m	>25	0	<1	2
Copper	ppm	ASTM D5185m	>100	<1	3	2
Tin	ppm	ASTM D5185m	>4	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

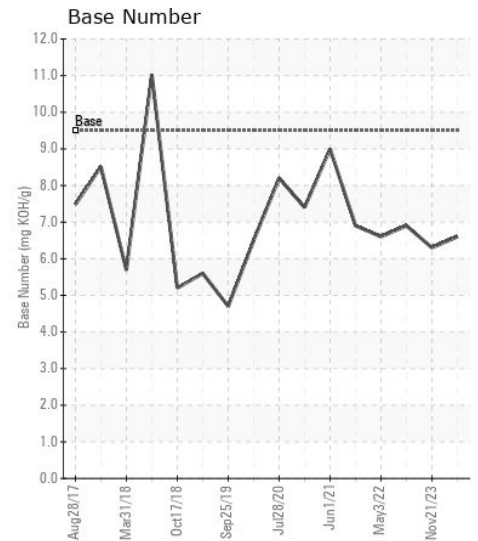
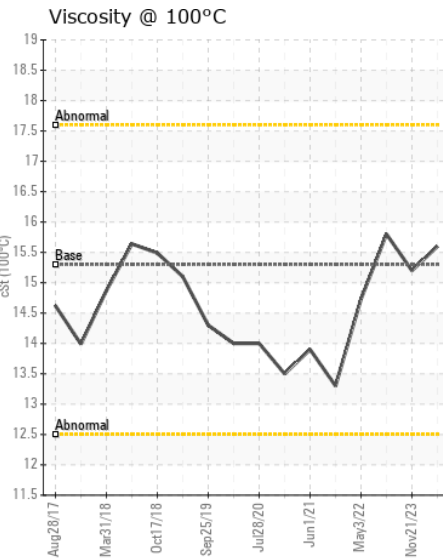
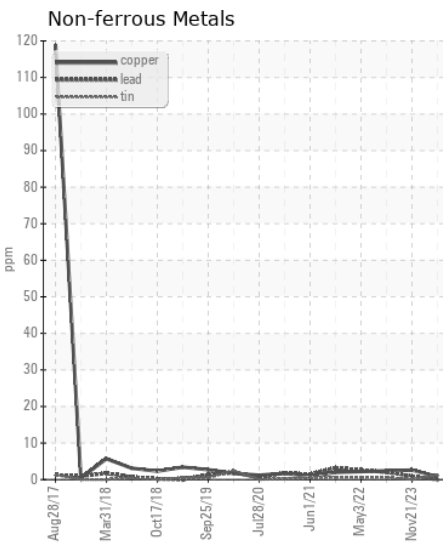
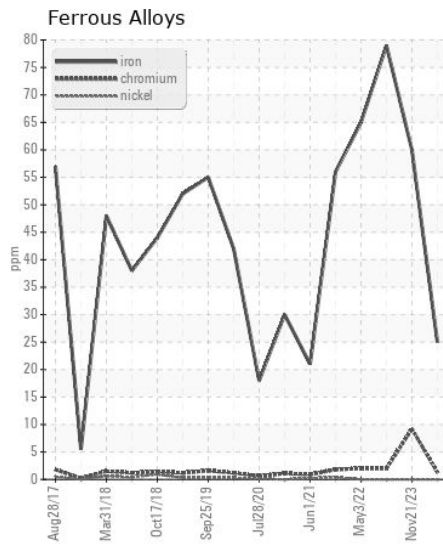
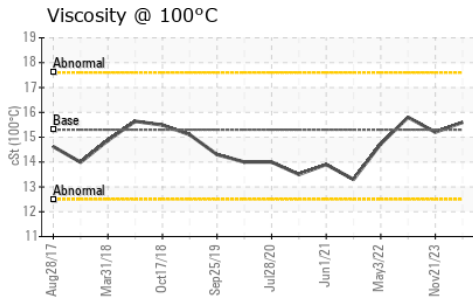
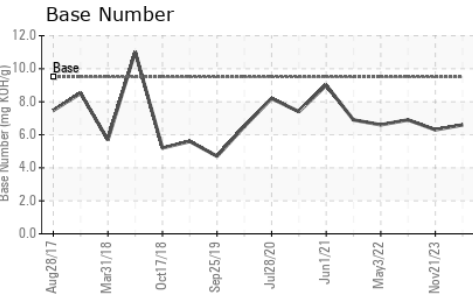
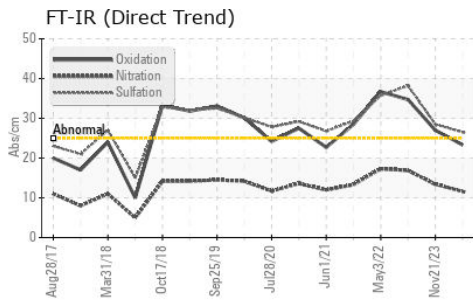
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	7	22	13
Potassium	ppm	ASTM D5185m	>20	2	<1	1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.2	0.6	1.9
Nitration	Abs/cm	*ASTM D7624	>20	11.6	13.4	16.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.5	28.5	38.2
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	7	6
Boron	ppm	ASTM D5185m	85	77	53	39
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		6	48	11
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	350	446	555	463
Calcium	ppm	ASTM D5185m	1800	2055	1853	2030
Phosphorus	ppm	ASTM D5185m	1000	983	977	1037
Zinc	ppm	ASTM D5185m	1100	1255	1378	1286
Sulfur	ppm	ASTM D5185m	3500	4391	3655	4332
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.3	27.0	34.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	6.6	6.3	6.9
Visc @ 100°C	cSt	ASTM D445	15.3	15.6	15.2	15.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0869359 **Received** : 16 Apr 2024
Lab Number : 06150186 **Tested** : 17 Apr 2024
Unique Number : 10980264 **Diagnosed** : 17 Apr 2024 - Wes Davis
Test Package : CONST (Additional Tests: TBN)

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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)