



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area  
[PMO2112796966]

Machine Id  
8470195

Component  
Natural Gas Engine

Fluid  
NAPA Motor Oil 15W40 (--- QTS)

## RECOMMENDATION

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform an accurate viscosity test.

## WEAR

All component wear rates are normal.

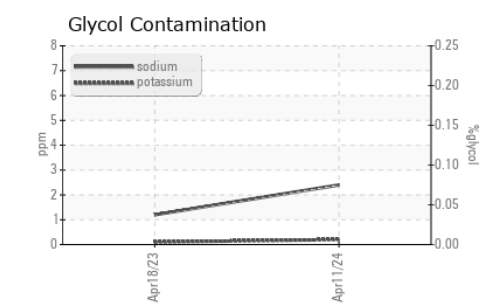
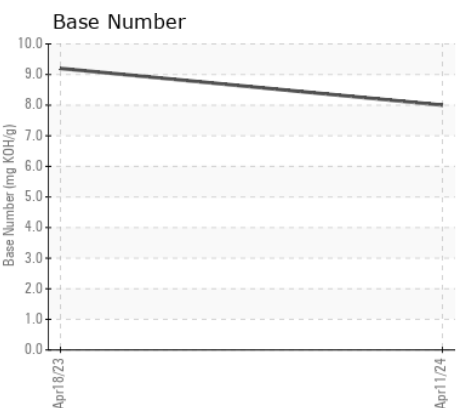
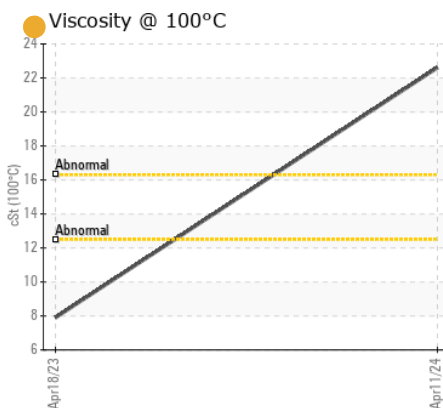
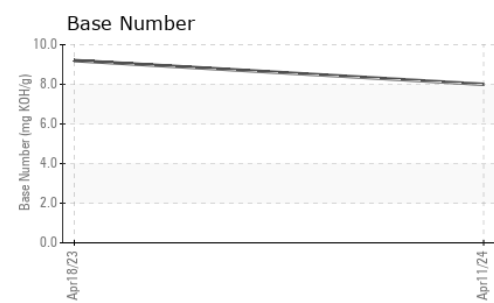
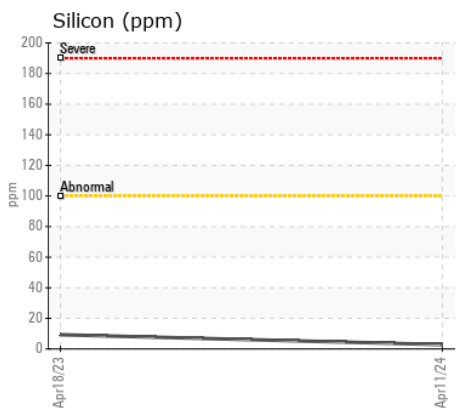
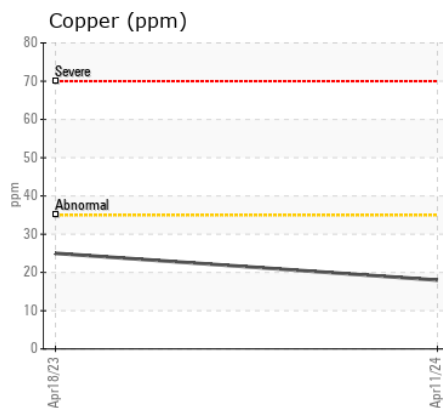
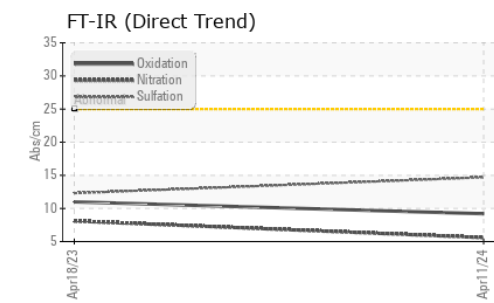
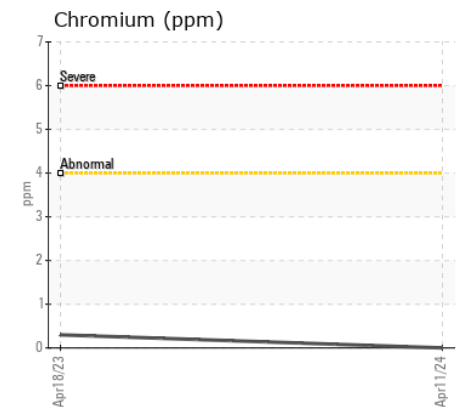
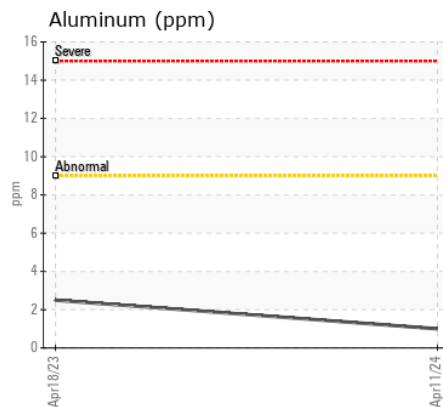
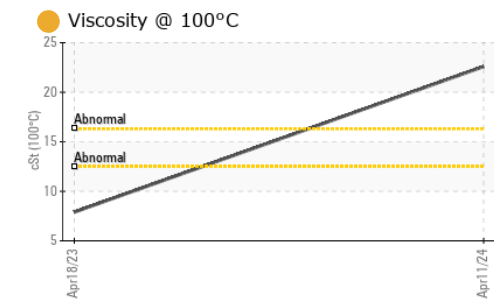
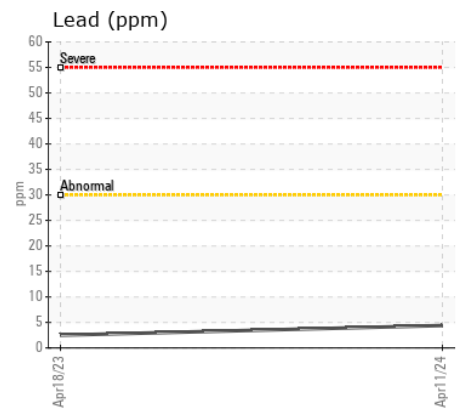
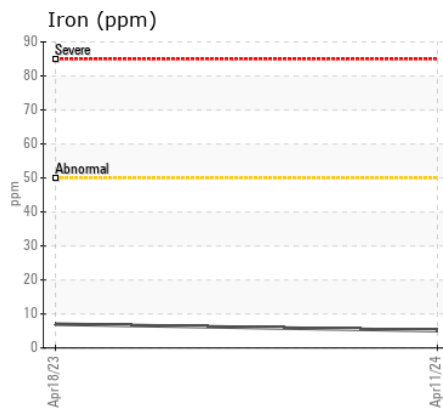
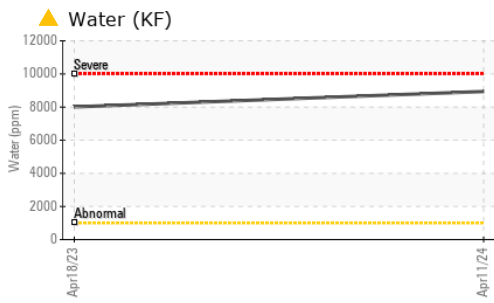
## CONTAMINATION

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

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0028706	DC0023246	---
Sample Date		Client Info		11 Apr 2024	18 Apr 2023	---
Machine Age	hrs	Client Info		223	204	---
Oil Age	hrs	Client Info		20	24	---
Filter Age	hrs	Client Info		20	24	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>50	5	7	---
Chromium	ppm	ASTM D5185m	>4	0	<1	---
Nickel	ppm	ASTM D5185m	>2	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>9	1	2	---
Lead	ppm	ASTM D5185m	>30	4	2	---
Copper	ppm	ASTM D5185m	>35	18	25	---
Tin	ppm	ASTM D5185m	>4	1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>+100	3	9	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water	%	ASTM D6304	>0.1	▲ 0.894	▲ 0.801	---
ppm Water	ppm	ASTM D6304	>1000	▲ 8940	▲ 8010	---
Soot %	%	*ASTM D7844		0	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	5.6	8.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	14.7	12.3	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	---
Sodium	ppm	ASTM D5185m		2	1	---
Boron	ppm	ASTM D5185m		<1	69	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		7	70	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		24	27	---
Calcium	ppm	ASTM D5185m		2302	2006	---
Phosphorus	ppm	ASTM D5185m		909	1019	---
Zinc	ppm	ASTM D5185m		1055	1204	---
Sulfur	ppm	ASTM D5185m		4261	4605	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.2	11.0	---
Base Number (BN)	mg KOH/g	ASTM D2896		8.0	9.2	---
Visc @ 100°C	cSt	ASTM D445		● 22.6	7.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0028706  
**Lab Number** : 06154114  
**Unique Number** : 10989537  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KF, TBN )

**KELLY GENERATOR & EQUIPMENT INC**  
 1955 DALE LN  
 OWINGS, MD  
 US 20736  
 Contact: LESLIE SNURR  
 LSNURR@KGE.COM  
 T: (410)257-5225  
 F: (410)257-5227

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)