



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
WC 05759582 NOT GIVEN WC05759582
 Component
Gearbox
 Fluid
NOT GIVEN (--- LTR)



DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC05759582	---	---
Sample Date	Client Info	05 Feb 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	42	---	---
Iron	ppm ASTM D5185m >200	47	---	---
Chromium	ppm ASTM D5185m >15	<1	---	---
Nickel	ppm ASTM D5185m >15	0	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >25	<1	---	---
Lead	ppm ASTM D5185m >100	2	---	---
Copper	ppm ASTM D5185m >200	9	---	---
Tin	ppm ASTM D5185m >25	0	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	18	---	---
Barium	ppm ASTM D5185m	<1	---	---
Molybdenum	ppm ASTM D5185m	0	---	---
Manganese	ppm ASTM D5185m	<1	---	---
Magnesium	ppm ASTM D5185m	1	---	---
Calcium	ppm ASTM D5185m	38	---	---
Phosphorus	ppm ASTM D5185m	298	---	---
Zinc	ppm ASTM D5185m	23	---	---
Sulfur	ppm ASTM D5185m	17147	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	15	---	---
Sodium	ppm ASTM D5185m	2	---	---
Potassium	ppm ASTM D5185m >20	0	---	---

FLUID DEGRADATION

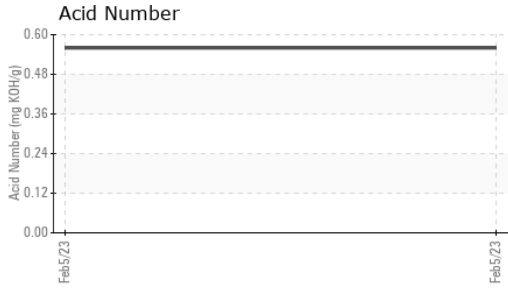
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.56	---	---

VISUAL

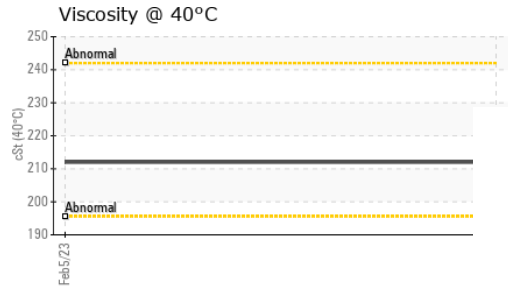
method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	---	---
Yellow Metal	scalar *Visual NONE	NONE	---	---
Precipitate	scalar *Visual NONE	NONE	---	---
Silt	scalar *Visual NONE	LIGHT	---	---
Debris	scalar *Visual NONE	LIGHT	---	---
Sand/Dirt	scalar *Visual NONE	NONE	---	---
Appearance	scalar *Visual NORML	NORML	---	---
Odor	scalar *Visual NORML	NORML	---	---
Emulsified Water	scalar *Visual >0.2	NEG	---	---
Free Water	scalar *Visual	NEG	---	---



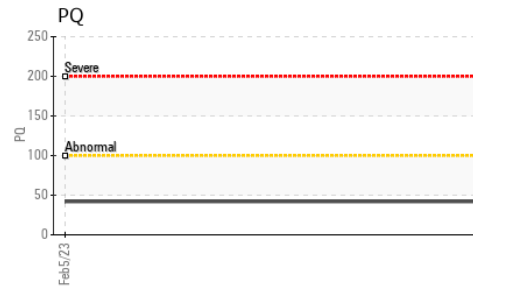
OIL ANALYSIS REPORT



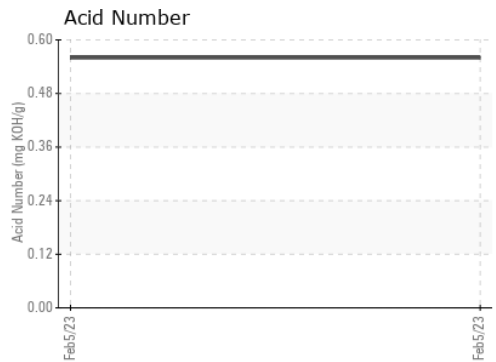
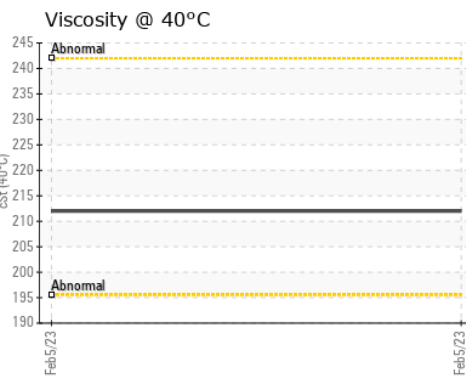
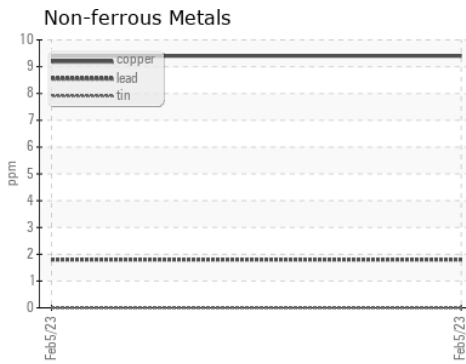
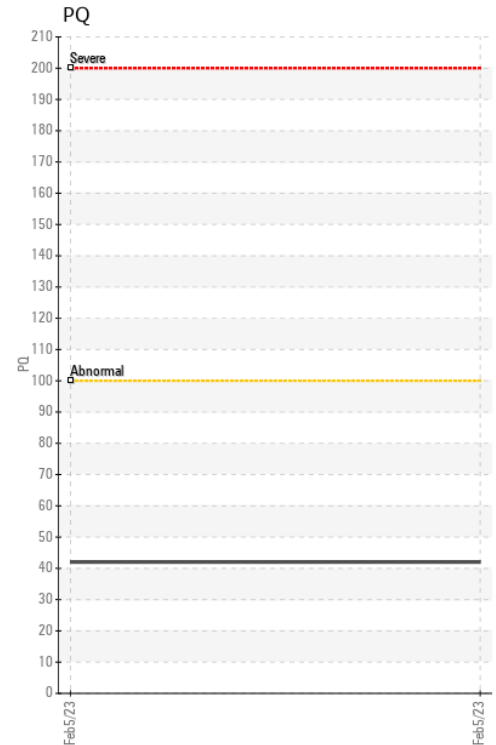
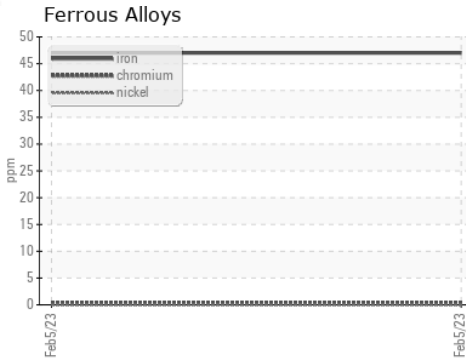
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	212	---	---



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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC05759582 Received : 06 Feb 2023
 Lab Number : 05759582 Diagnosed : 08 Feb 2023
 Unique Number : 10324189 Diagnostician : Wes Davis
 Test Package : PLANT

NOKIAN TYRES US OPERATIONS LLC
 520 NOKIAN TYRES DRIVE
 DAYTON, TN
 US 37321
 Contact: CHRIS NAPIER
 christopher.napier@nokiantyres.com
 T: (423)457-3121
 F:

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)