



# PROBLEM SUMMARY

Sample Rating Trend



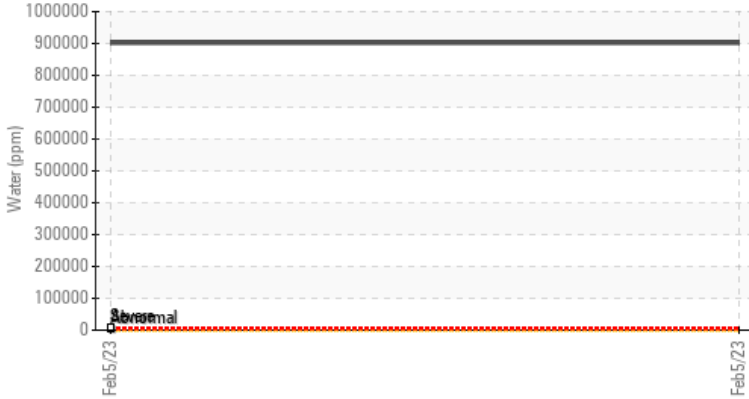
**WATER**



Machine Id  
**HYDR\_006 L1 HYDR\_006 L1**  
 Component  
**Hydraulic System**  
 Fluid  
**NOT GIVEN (--- LTR)**

## COMPONENT CONDITION SUMMARY

▲ Water (KF)



## RECOMMENDATION

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

## PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Water	%	ASTM D6304	>0.05	▲ 90.2	---	---
ppm Water	ppm	ASTM D6304	>500	▲ 902000	---	---
Appearance	scalar	*Visual	NORML	▲ HAZY	---	---
Emulsified Water	scalar	*Visual	>0.05	▲ 0.2%	---	---

Customer Id: NOKDAY  
 Sample No.: WC0752521  
 Lab Number: 05759854  
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Doug Bogart +1 (800)237-1369 x4016  
[dougb@wearcheckusa.com](mailto:dougb@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

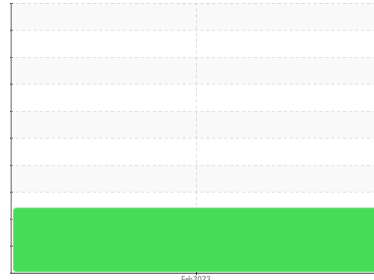
*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Machine Id  
**[ ] HYDR\_006 L1 HYDR\_006 L1**  
 Component  
**Hydraulic System**  
 Fluid  
**NOT GIVEN (--- LTR)**

## DIAGNOSIS

### ▲ Recommendation

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

### ▲ Contamination

Sample consists almost entirely of free (cooling?) water.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0752521</b>	---	---
Sample Date	Client Info		<b>05 Feb 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m >20	<b>0</b>	---	---
Copper	ppm	ASTM D5185m >20	<b>1</b>	---	---
Tin	ppm	ASTM D5185m >20	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>102</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>263</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>28</b>	---	---
Calcium	ppm	ASTM D5185m	<b>716</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>308</b>	---	---
Zinc	ppm	ASTM D5185m	<b>1</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>326</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>30</b>	---	---
Sodium	ppm	ASTM D5185m	<b>616</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>46</b>	---	---
Chlorine	ppm	ASTM D5185m	<b>40</b>	---	---
Water	%	ASTM D6304 >0.05	<b>▲ 90.2</b>	---	---
ppm Water	ppm	ASTM D6304 >500	<b>▲ 902000</b>	---	---

## FLUID DEGRADATION

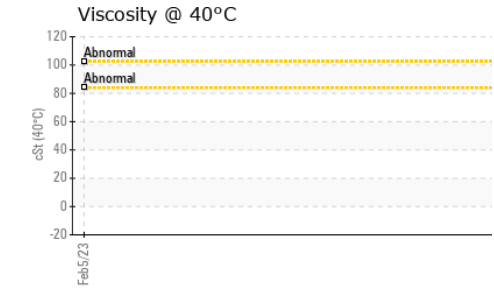
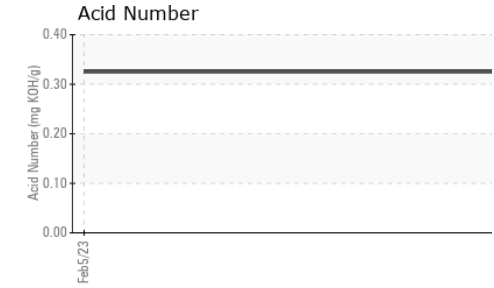
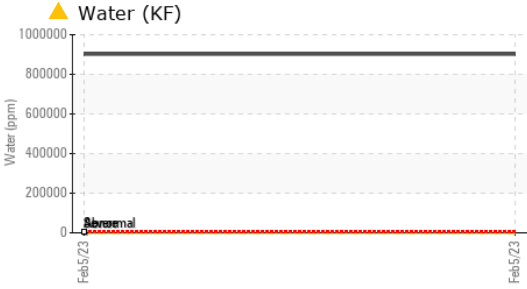
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.325</b>	---	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual NORML	<b>▲ HAZY</b>	---	---
Odor	scalar	*Visual NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual >0.05	<b>▲ 0.2%</b>	---	---
Free Water	scalar	*Visual	<b>NEG</b>	---	---

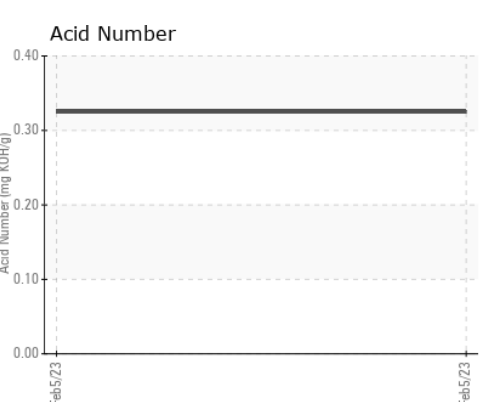
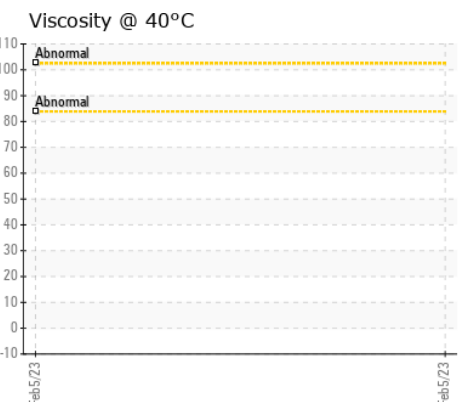
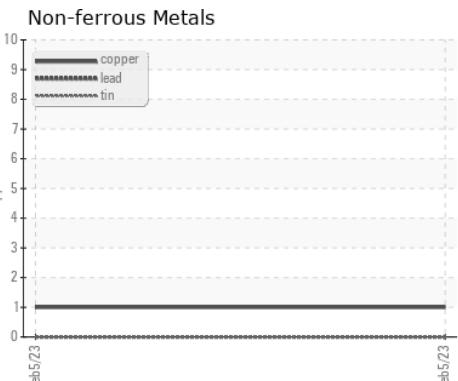
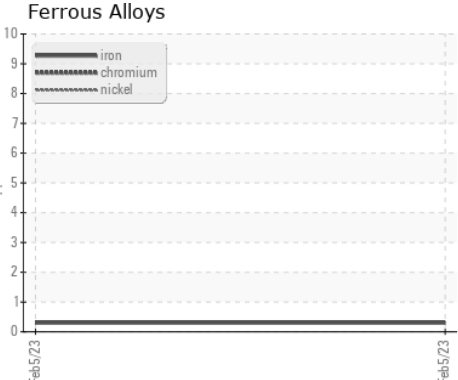


# OIL ANALYSIS REPORT



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.** : WC0752521 **Received** : 06 Feb 2023  
**Lab Number** : 05759854 **Diagnosed** : 08 Feb 2023  
**Unique Number** : 10324461 **Diagnostician** : Doug Bogart  
**Test Package** : PLANT

**NOKIAN TYRES US OPERATIONS LLC**  
 520 NOKIAN TYRES DRIVE  
 DAYTON, TN  
 US 37321  
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 christopher.napier@nokiantyres.com  
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 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)