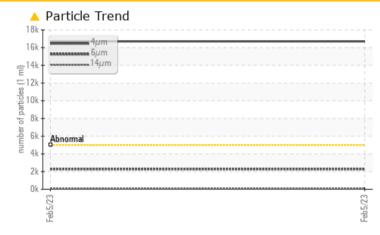


### **PROBLEM SUMMARY**

#### Machine Id **HYDR\_037 HYDRAULIC SUMP 037** Component

Hydraulic System Fluid NOT GIVEN (--- LTR)

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL						
Particles >4µm	ASTM D7647	>5000	🔺 16709						
Particles >6µm	ASTM D7647	>1300	<u> </u>						
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<u> </u>						

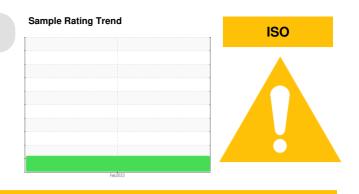
Customer Id: NOKDAY Sample No.: WC0752526 Lab Number: 05759386 Test Package: PLANT



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



### **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

### Machine Id **HYDR\_037 HYDRAULIC SUMP 037**

Hydraulic System

NOT GIVEN (--- LTR)

## DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

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

SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0752526		
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				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	4		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		107		
Phosphorus	ppm	ASTM D5185m		436		
Zinc	ppm	ASTM D5185m		30		
Sulfur	ppm	ASTM D5185m		1829		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	🔺 16709		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	81		
Particles >21µm		ASTM D7647	>40	20		
Particles >38µm		ASTM D7647	>10	3		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 21/18/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.072		



Acid Number

Viscosity @ 40°C

0.08

0.07 (BH0.06 ₩ BB 0.05 0.04

Ë 0.03

Pg 0.02

0.01 0.00

52

50

48

-75 44

42

40 Abn 38 Feb5/23

# **OIL ANALYSIS REPORT**

scalar

method

\*Visual

limit/base

NONE

current

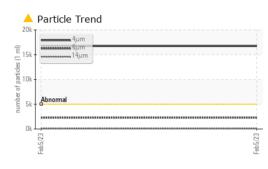
VLITE

history1

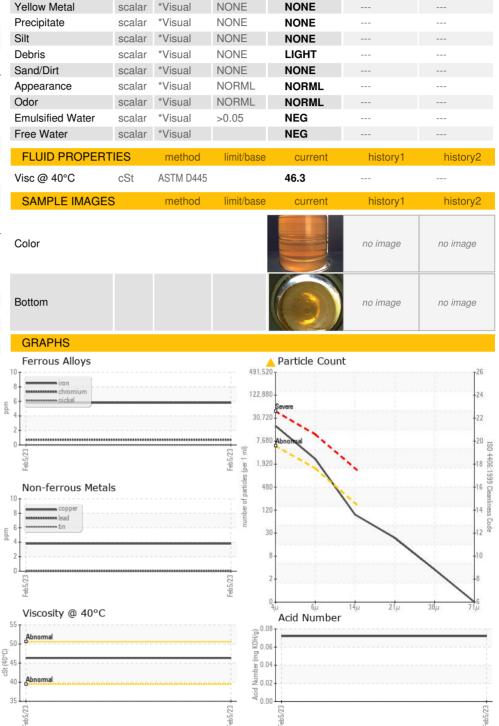
history2

VISUAL

White Metal









: WC0752526

: 05759386

: 10323993

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Diagnostician

Received

Diagnosed

: 06 Feb 2023

: 07 Feb 2023

: Jonathan Hester

Laboratory

Sample No.

Lab Number

Unique Number

Contact/Location: CHRIS NAPIER - NOKDAY

NOKIAN TYRES US OPERATIONS LLC

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T: (423)457-3121

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