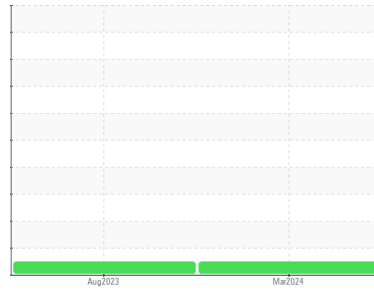


Area  
**SMART OIL 6000**  
Machine Id  
**HERTZ VD027011 - PORTER TILE**  
Component  
**Compressor**

Sample Rating Trend



**DIAGNOSIS**

**Recommendation**  
Resample at the next service interval to monitor.

**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		<b>UHK06144334</b>	UHK06144332	---
Sample Date	Client Info		<b>28 Mar 2024</b>	23 Aug 2023	---
Machine Age	hrs	Client Info	<b>3339</b>	2095	---
Oil Age	hrs	Client Info	<b>1123</b>	2095	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

**CONTAMINATION** method limit/base current history1 history2

Water	WC Method	>0.1	<b>NEG</b>	NEG	---
-------	-----------	------	------------	-----	-----

**WEAR METALS** method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>50	<b>30</b>	47	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m		<b>1</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>3</b>	2	---
Tin	ppm	ASTM D5185m	>15	<b>2</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---

**ADDITIVES** method limit/base current history1 history2

Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185m	20	<b>7</b>	6	---
Phosphorus	ppm	ASTM D5185m		<b>489</b>	36	---
Zinc	ppm	ASTM D5185m		<b>5</b>	0	---
Sulfur	ppm	ASTM D5185m		<b>1142</b>	585	---

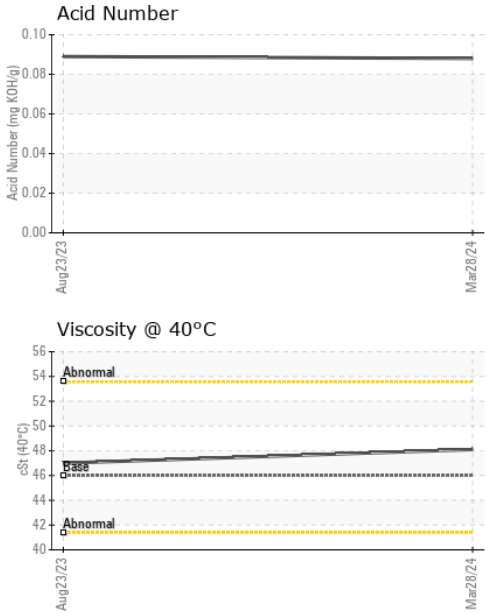
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	<b>23</b>	23	---
Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	---

**FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.088</b>	0.089	---
------------------	----------	------------	--	--------------	-------	-----





# OIL ANALYSIS REPORT



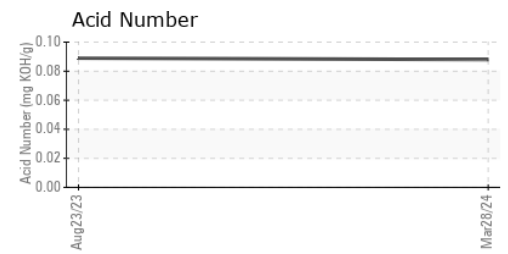
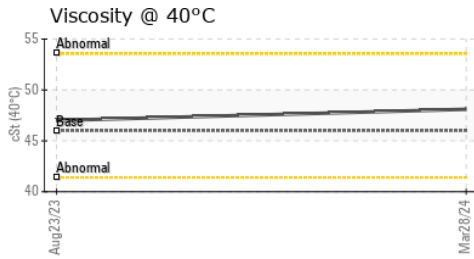
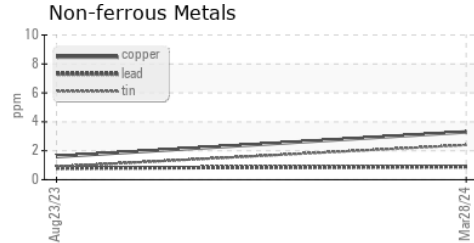
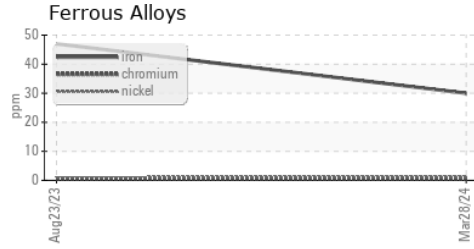
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	<b>48.1</b>	47.0	---

### SAMPLE IMAGES

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHK06144334      **Received** : 10 Apr 2024  
**Lab Number** : **06144334**      **Tested** : 11 Apr 2024  
**Unique Number** : 10969142      **Diagnosed** : 12 Apr 2024 - Sean Felton  
**Test Package** : IND 2

**NORTHWEST EQUIPMENT LTD**  
 415 EAST LAKE RD NE  
 AIRDRIE, AB  
 CA T4A 2J7  
 Contact: CINDY MCKINNON  
 c.mckinnon@nwequipltd.com  
 T: (403)960-0519  
 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)