



# OIL ANALYSIS REPORT

Sample Rating Trend

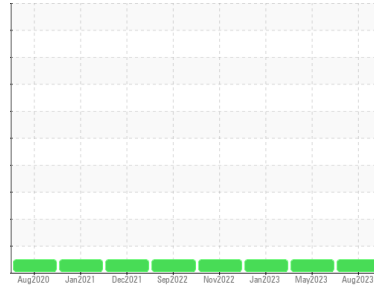
**NORMAL**



Machine Id  
**KOBELCO 350HP (S/N 09H6111767)**

Component  
**Air Compressor**

Fluid  
**USPI OFS AIR 68 (--- GAL)**



## 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. The amount and size of particulates present in the system are acceptable.

### 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>USPM29225</b>	USPM28338	USPM26430
Sample Date	Client Info			<b>16 Aug 2023</b>	25 May 2023	30 Jan 2023
Machine Age	hrs	Client Info		<b>0</b>	0	25933
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>1</b>	1	<1
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	2	0
Lead	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>2</b>	1	<1
Tin	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>2</b>	6	<1
Calcium	ppm	ASTM D5185m		<b>4</b>	<1	2
Phosphorus	ppm	ASTM D5185m		<b>639</b>	617	628
Zinc	ppm	ASTM D5185m		<b>13</b>	16	17
Sulfur	ppm	ASTM D5185m		<b>1016</b>	626	775

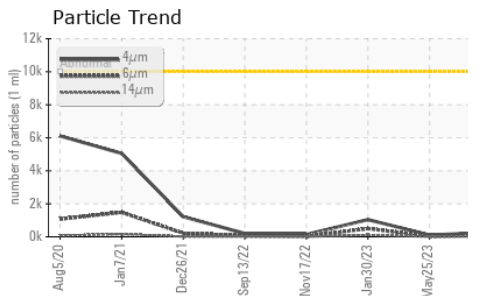
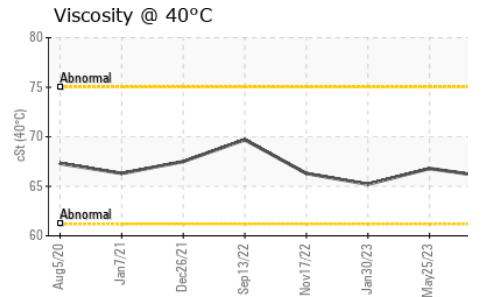
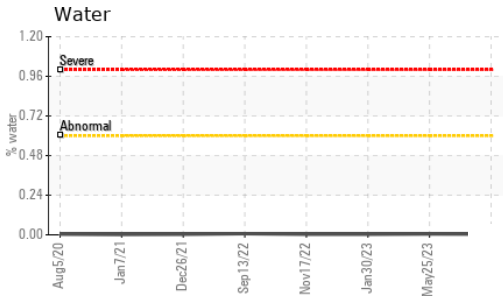
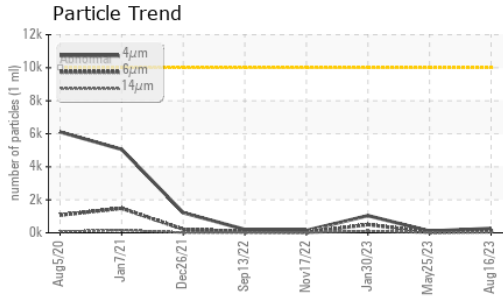
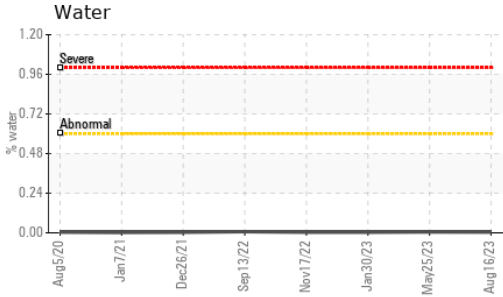
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>1</b>	2	2
Sodium	ppm	ASTM D5185m		<b>1</b>	1	0
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	1
Water	%	ASTM D6304	>0.6	<b>0.004</b>	0.005	0.003
ppm Water	ppm	ASTM D6304	>6000	<b>43.8</b>	55.8	36.4

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>263</b>	107	1041
Particles >6µm		ASTM D7647	>2500	<b>123</b>	35	497
Particles >14µm		ASTM D7647	>640	<b>29</b>	3	109
Particles >21µm		ASTM D7647	>160	<b>10</b>	1	24
Particles >38µm		ASTM D7647	>40	<b>2</b>	0	2
Particles >71µm		ASTM D7647	>10	<b>1</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/16	<b>15/14/12</b>	14/12/9	17/16/14

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.49</b>	0.51	0.44



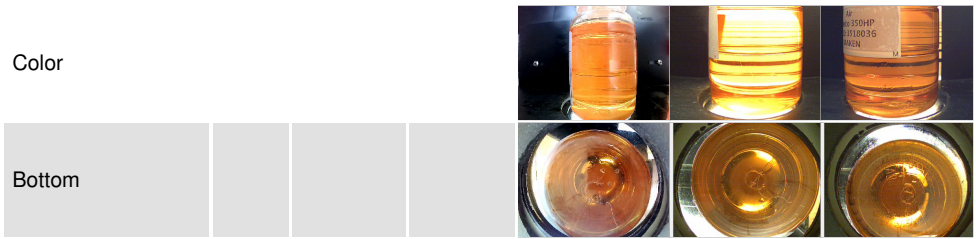
# OIL ANALYSIS REPORT



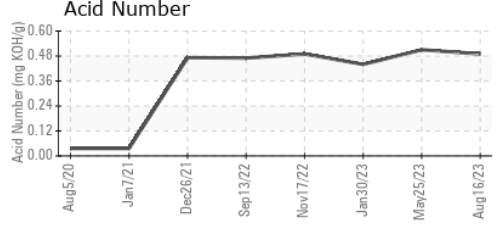
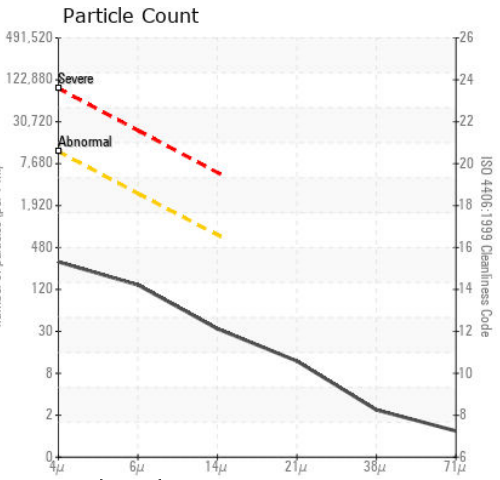
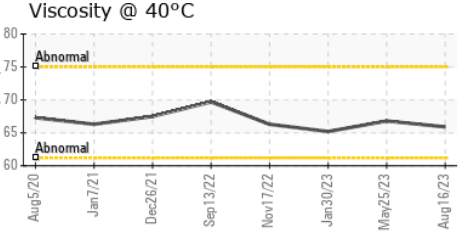
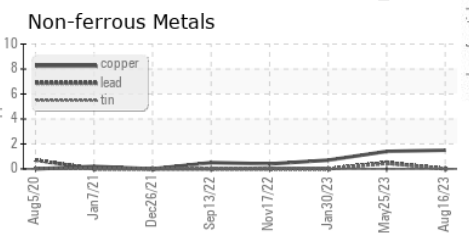
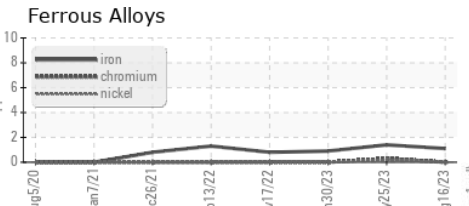
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.6	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65.9	66.8	65.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USPM29225 **Received** : 17 Aug 2023  
**Lab Number** : 05927282 **Diagnosed** : 21 Aug 2023  
**Unique Number** : 10607229 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**KraftHeinz - Kendallville - Plant 8378**  
 151 W OHIO ST  
 KENDALLVILLE, IN  
 US 46755  
 Contact: Service Manager

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)

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