

OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

Machine Id

VACPUMP-025 (S/N 98195H)

Fluid SAE 10W (--- QTS)

DIAGNOSIS

Recommendation

The oil is near the end of it's useful service life, recommend schedule an oil change. 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

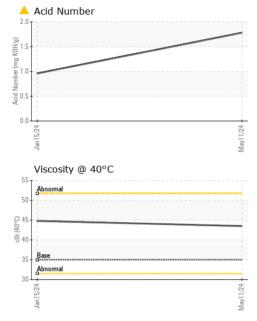
The AN level is at the top-end of the recommended limit.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0877130	WC0390934	
Sample Date		Client Info		11 May 2024	15 Jan 2024	
Machine Age	mths	Client Info		0	0	
Oil Age	mths	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1	0	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	1	2	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	<1	1	
Tin	ppm	ASTM D5185m	>20	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		0	<1	
Calcium	ppm	ASTM D5185m		0	3	
Phosphorus	ppm	ASTM D5185m		18	17	
Zinc	ppm	ASTM D5185m		8	<1	
Sulfur	ppm	ASTM D5185m		297	134	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	17	12	
Sodium	ppm	ASTM D5185m		8	5	
Potassium	ppm	ASTM D5185m	>20	<1	0	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.78	0.96	



OIL ANALYSIS REPORT

VISUAL



	VISUAL		method	limit/base	current	nistory i	nistory2
	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	LIGHT	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
1/24	Appearance	scalar	*Visual	NORML	NORML	NORML	
May11/24	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>.1	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPER		method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	35.0	43.5	44.8	
	SAMPLE IMAG	ES	method	limit/base	current	history1	history2
May1124	Color						no image
	Bottom						no image
	GRAPHS						
	Ferrous Alloys						
	¹⁰						
	8 - iron						
	- 6 - nickel						
	ā 4. 2-						
	2			54			
	2			sy11/24			
	2 0 6 7 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5			May11/24			
	Non-ferrous Met	tals		May11/24 #			
	Non-ferrous Met	tals		May11/24			
	Non-ferrous Met	tals		May11/24			
	Non-ferrous Met	tals		May11/24			
	Non-ferrous Met	tals		May11/24			
	Non-ferrous Met	tals					
	Non-ferrous Met	tals					
	Non-ferrous Met	tals		May11/24 May11/24			
	Non-ferrous Met				Acid Number		
	Non-ferrous Met			May11/24			
	Non-ferrous Met			May11/24			
	Non-ferrous Met			May11/24			
	Non-ferrous Met			May11/24			
	Non-ferrous Met			May11/24			
	Non-ferrous Met			401 Number (1) 1/24			
	Non-ferrous Met			401 Number (1) 1/24			
	Non-ferrous Met			May11/24			
KC (7025	Non-ferrous Met Non-ferrous Met Non-ferrous Met Viscosity @ 40°0 Non-ferrous Met Coper Viscosity @ 40°0 Coper Anomal Coper State Anomal Coper State Anomal State	C 501 Madisc Recei Teste	ived : 10 ed : 13	May11/24 Acid Number (mg KOH/g) 0.0	Jan 15/24		ISCO - JESU HAWKEYE R JESUP, I
Sample No. Lab Number	Non-ferrous Met Non-ferrous Met Non-fe	C 501 Madisc Recei Teste	ived : 10 ed : 13	trill/kew trill/kew	Jan 15/24	850	ISCO - JESU HAWKEYE R JESUP, I US 5064 Spencer Reed
Sample No. Lab Number Unique Number	Non-ferrous Met Non-ferrous Met Viscosity @ 40°0 Anomal WearCheck USA - 5 WC0877130 r : 06175662 r : 11021715 = : IND 2 r, contact Customer Se	501 Madisc Rece Teste Diagr	ived : 10 ed : 13 nosed : 13 800-237-1368	2.0 (0)(0) for the second seco	Jan 15/24	850	ISCO - JESU HAWKEYE R JESUP, I US 5064 Spencer Reec

method limit/base

history1

current

history2

Report Id: PRIJES [WUSCAR] 06175662 (Generated: 05/13/2024 16:49:05) Rev: 1

> Contact/Location: Spencer Reedy - PRIJES Page 2 of 2