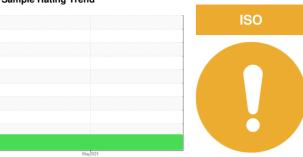


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **KD-2 LP NOX PUMP**

Component Gearbox

MOBIL SHC 630 (--- GAL)

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a moderate 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.

				May2024		
SAMPLE INFORM	ΛΔΤΙΩΝ	method	limit/base	current	history1	history2
	717 (1101)		mmi base		,	
Sample Number		Client Info		USP0012888		
Sample Date		Client Info		30 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<1		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	0		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		<1		
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		1		
Calcium	ppm	ASTM D5185m		2		
Phosphorus	ppm	ASTM D5185m		503		
Zinc	ppm	ASTM D5185m		6		
Sulfur	ppm	ASTM D5185m		30		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	15		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.2	0.002		
ppm Water	ppm	ASTM D6304	>2000	17		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6996		
Particles >6µm		ASTM D7647	>1300	<b>1550</b>		
Particles >14µm		ASTM D7647	>160	112		
Particles >21µm		ASTM D7647	>40	30		
Particles >38µm		ASTM D7647	>10	3		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/18/14</b>		
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
A -! -! Ni I (ANI)		ACTM DOOAE		0.26		

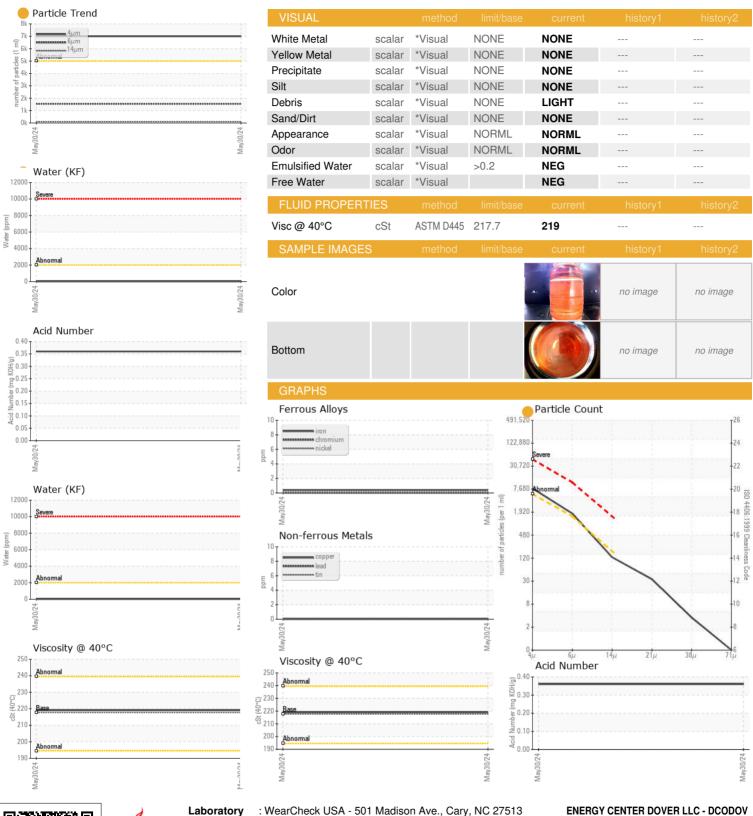
Acid Number (AN)

mg KOH/g ASTM D8045

0.36



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number : 06196728 Unique Number : 11058851

Test Package : IND 2

: USP0012888

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 May 2024 **Tested** : 03 Jun 2024

Diagnosed : 03 Jun 2024 - Doug Bogart

ernie.just@clearwayenergy.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Report Id: NRGDOV [WUSCAR] 06196728 (Generated: 06/04/2024 06:56:53) Rev: 1

1280 W NORTH ST

Contact: ERNIE JUST

T: (302)678-4353

DOVER, DE

US 19904