WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

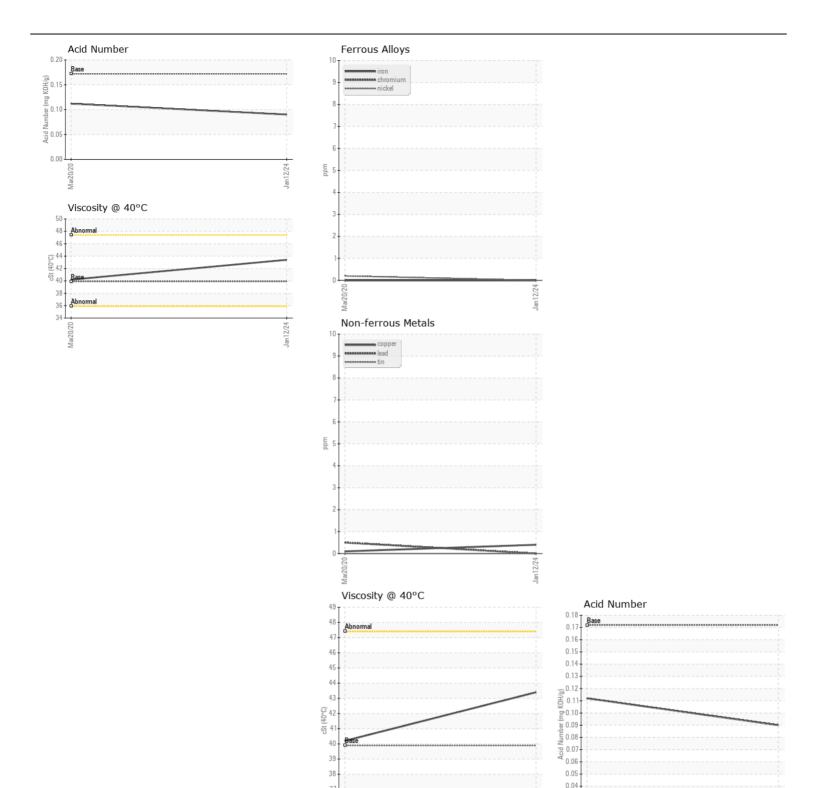
Area

PALASYN 45

PALATEK 1807190008 - NDSU RESEARCH CARRINGTON

Component Compressor

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. Resample	Sample Number		Client Info		UCS06065720	UCS04951402	
at the next service interval to monitor.	Sample Date		Client Info		12 Jan 2024	20 Mar 2020	
	Machine Age	hrs	Client Info		4233	0	
	Oil Age	hrs	Client Info		700	2000	
	Filter Age	hrs	Client Info		700	2000	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	nnm	ASTM D5185m	. 50	•	0	
WEAN		ppm			0		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0	0	
	Nickel	ppm	ASTM D5185m		0	<1	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m ASTM D5185m	► 2F	0	0	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		<1	<1	
	Tin	ppm	ASTM D5185m		0	0	
	Vanadium	ppm	ASTM D5185m	>10	<1	0	
	White Metal	ppm scalar	*Visual	NONE	LIGHT	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
		Scalai	visuai	INOINL	HONE	INOINE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	1	4	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	0	
, , , , , , , , , , , , , , , , , , ,	Water		WC Method	>0.1	NEG	NEG	
	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	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	0	
	Boron	ppm	ASTM D5185m	0.0	0	0	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	2	
	Manganese	ppm	ASTM D5185m		0	0	
	Magnesium	ppm	ASTM D5185m	0.0	0	0	
	Calcium	ppm	ASTM D5185m		0	0	
	Phosphorus	ppm	ASTM D5185m	966	545	609	
	Zinc	ppm	ASTM D5185m		0	4	
	Sulfur	ppm	ASTM D5185m		1035	241	
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	0.09	0.112	
	Visc @ 40°C	cSt	ASTM D445	39.9	43.4	40.2	







Certificate L2367

Laboratory Sample No. Lab Number

: UCS06065720 : 06065720 Unique Number : 10837102 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 19 Jan 2024 Diagnosed : 22 Jan 2024

0.03

0.02 0.01

0.00

Diagnostician : Angela Borella

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

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* - 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) **JEMCO-MAXAIR**

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