Sullivan Palatek

OIL ANALYSIS REPORT

PALASYN 45 [W13825] PALATEK 20LE001660 - REPUBLIC SERVICES

Component Compressor

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

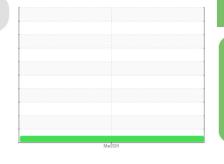
All component wear rates are normal.

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 Rating Trend



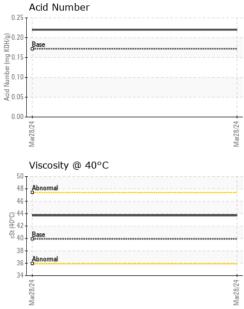
NORMAL

SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCS06138670		
Sample Date		Client Info		28 Mar 2024		
Machine Age	hrs	Client Info		17563		
Oil Age	hrs	Client Info		4025		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>50	0		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.0	0		
Barium	ppm	ASTM D5185m	0.0	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	0.0	0		
Calcium	ppm	ASTM D5185m	0.0	0		
Phosphorus	ppm	ASTM D5185m	966	445		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	1309	465		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	0.22		



OIL ANALYSIS REPORT

VISUAL



	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		
Mar28/24	Appearance	scalar	*Visual	NORML	NORML		
Mar	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
	Free Water	scalar	*Visual		NEG		
		500101	VIGUUI		nea		
	FLUID PROPERT	ΓIES	method				history2
	Visc @ 40°C	cSt	ASTM D445	39.9	43.7		
	SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Mar28/24	Color					no image	no image
	Bottom					no image	no image
	GRAPHS						
	Non-ferrous Metal Non-ferrous Metal Non-ferrous Metal Viscosity @ 40°C	ls		Mar28/24 Mar28/24 Mar28/24 Mar28/24 Mar28/24 Mar28/24 Mar28/24 Mar28/24 Mar28/24 Mar28/24	Acid Number		Mar28024
Laboratory Sample No. Lab Number Unique Number Test Package	: WearCheck USA - 50 : UCS06138670 : 06138670 : 10963478	1 Madisor Receiv Testeo Diagn	ved : 04 d : 05		GENERAL AIR COMPRESSORS		

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