<u>Sullivan</u> Palatek.

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area PALASYN 45 SULLIVAN PALATEK 1704060002 - PROVIDENTIAL FABRICATORS Component Compressor

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of visible silt present in the sample.

Fluid Condition

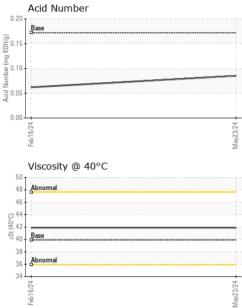
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCS06202917	UCS06111540	
Sample Date		Client Info		23 May 2024	16 Feb 2024	
Machine Age	hrs	Client Info		19975	19091	
Oil Age	hrs	Client Info		0	1660	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	0	2	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>50	0	<1	
Tin	ppm	ASTM D5185m	>15	0	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.0	0	0	
Barium	ppm	ASTM D5185m	0.0	6	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m	0	0	0	
Magnesium	ppm	ASTM D5185m	0.0	0	<1	
Calcium	ppm	ASTM D5185m	0.0	0	3	
Phosphorus	ppm	ASTM D5185m	966	613	578	
Zinc	ppm	ASTM D5185m	0	2	0	
Sulfur	ppm	ASTM D5185m	1309	1550	1480	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	
Sodium	ppm	ASTM D5185m		1	0	
Potassium	ppm	ASTM D5185m	>20	0	1	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	0.085	0.062	



OIL ANALYSIS REPORT

VISUAL



Visc @ 40°C CSI ASTM D445 39.9 41.9 41.9 SAMPLE IMAGES method imitbase current history in Color Color no CRAPHS Ferrous Alloys 		VICONE		methou	innit/base	Current	matory	motoryz
Hereins scalar Visual NONE NONE NONE NONE	W	hite Metal	scalar *	*Visual	NONE	NONE	NONE	
Precipitale scalar Visual NONE NONE NONE Sitt scalar Visual NONE NONE NONE NONE Sandrüht scalar Visual NORML NORML NORML NORML Codor scalar Visual NORML NORML NORML NORML Free Water scalar Visual Tere @ 40°C cSt ASTM 045 39.9 41.9 41.9 SAMPLE IMAGES method Imitbase current history1 m Viscosity @ 40°C cSt ASTM 045 39.9 41.9 41.9 SAMPLE IMAGES method Free Water scalar Visual Nor-Ferrous Metals 								
Siti scalar Visual NONE MODER NONE Control of the scalar Visual NONE NONE NONE MODER								
Debris scalar Visual NONE NORM NORM <td></td> <td></td> <td>scalar *</td> <td>*Visual</td> <td>NONE</td> <td></td> <td>NONE</td> <td></td>			scalar *	*Visual	NONE		NONE	
Appearance scalar Visual NORML NORML NORML NORMU Odor scalar Visual NORML NORML NORMU NORMU Free Water scalar Visual NORML NORMU NORMU Free Water scalar Visual NORMU NORMU NORMU Free Water scalar Visual NORMU SAMPLE IMAGES method Imitbase current history no GRAPHS Ferrous Alloys 	De	ebris	scalar *				MODER	
Emulsified Water scalar Visual >0.1 NEG NEG FLUD PROPERTIES method initibase current history1 h Visc @ 40°C c.St ASTM D445 39.9 41.9 41.9 SAMPLE IMAGES method initibase current history1 h Color Color no GRAPHS Ferrous Alloys Uscosity @ 40°C Uscosity @ 40°C Viscosity @ 40°C Uscosity @ 40°C U	Sa	and/Dirt	scalar *	*Visual	NONE	NONE	NONE	
Emulsified Water scalar Visual >0.1 NEG NEG Free Water scalar Visual >0.1 NEG NEG Free Water scalar Visual 30.9 41.9 41.9 SAMPLE IMAGES method Imitbase current Netory N Color Color no GRAPHS Ferrous Alloys Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Sample Non-Ferrous Metals 	AA 53/24	opearance	scalar *	Visual	NORML	NORML	NORML	
Free Water scalar Visual NEG NEG	May:	dor	scalar *	Visual	NORML	NORML	NORML	
FLUID PROPERTIES method imitbase current history1 h Visc @ 40°C CSL ASTM D445 39.9 41.9 41.9 SAMPLE IMAGES method imitbase current history1 in Color Bottom Color Bottom OF	Er	mulsified Water	scalar *	*Visual	>0.1	NEG	NEG	
Visc @ 40°C cst ASTM D445 39.9 41.9 41.9 SAMPLE IMAGES method imitbass current hetory in Color Color	Fr	ee Water	scalar *	*Visual		NEG	NEG	
Visc @ 40°C cst ASTM D445 39.9 41.9 41.9 SAMPLE IMAGES method imit/bass current hetory in Color Color Co	F	FI UID PROPERTI	IFS	method	limit/base	current	historv1	history2
Color Bottom Color Bottom Color Color Color Color Bottom Color								
Edition CERAPHS Ferrous Alloys		SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Education Carabonal Constant of the Constant o								no image
Ferrous Alloys Image: state of the state of		ottom						no image
Ferrous Alloys Image: Stanple Rob. Exboratory WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. UScosely 17 Received 100-0000000000000000000000000000000000		GRAPHS						
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 BLAKE AND PENE Sample No. : UCS06202917 Received : 07 Jun 2024 Lab Number : 06202917 Tested : 10 Jun 2024 MEMP Unique Number : 11070378 Diagnosed : 10 Jun 2024 On Baldridge US ficet L2367 Test Package : IND 2 Contact: JAY G discuss this sample report, contact Customer Service at 1-800-237-1369. JGIANNINI@BLAKEANDPENDLET Denotes test methods that are outside of the ISO 17025 scope of accreditation.		Non-ferrous Metals	5		Ma/23/24 +			
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 BLAKE AND PEND Sample No. : UCS06202917 Received : 07 Jun 2024 Lab Number : 06202917 Tested : 10 Jun 2024 MEMP Unique Number : 11070378 Diagnosed : 10 Jun 2024 - Don Baldridge US fiscuss this sample report, contact Customer Service at 1-800-237-1369. JGIANNINI@BLAKEANDPENDLET Denotes test methods that are outside of the ISO 17025 scope of accreditation.	35	1			0.00			4 CC C and
Denotes test methods that are outside of the ISO 17025 scope of accreditation.	Iboratory : Weating No. : UCS Imple No. : UCS Ib Number : 062 Ique Number : 110 Ist Package : IND	arCheck USA - 501 S06202917 202917 070378 0 2	Receive Tested Diagno	ed : 07 : 10 sed : 10	NC 27513 Jun 2024 Jun 2024 Jun 2024 - Don	Baldridge	N Contact: J	PENDLETON /EMPHIS, TN US 3813: AY GIANNIN
contents of contenting to specifications are based on the simple acceptance decision rate (coldar rec.zorz)	ethods that are ou	utside of the ISO 17	7025 scope	e of accredi	tation.			NDLETON.COM T: F:
06202917 (Generated: 06/10/2024 14:23:13) Rev: 1 Contact/Location: JAY GIANNINI - UCE				-				

۰.

Ĕ