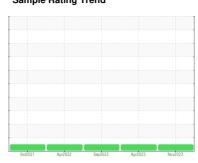


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **DT797** Component

Transmission (Auto)

SHELL SPIRAX S6 ATF (36 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin	hrs hrs	Client Info Client Info Client Info Client Info Client Info Client Info ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base limit/base limit/base >160 >5 >5	current PCA0103287 01 Nov 2023 127613 102342 Not Changd NORMAL current 43 0	history1 PCA0091237 05 Apr 2023 101473 0 Not Changd NORMAL history1 39 <1	history2 PCA0074822 27 Sep 2022 76202 76202 Changed NORMAL history2 86 0
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum Lead Copper	hrs hrs ppm ppm ppm ppm ppm ppm	Client Info Client Info Client Info Client Info Client Info Client Info ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >160 >5	PCA0103287 01 Nov 2023 127613 102342 Not Changd NORMAL current 43 0	PCA0091237 05 Apr 2023 101473 0 Not Changd NORMAL history1 39 <1	PCA0074822 27 Sep 2022 76202 76202 Changed NORMAL history2
Sample Date Machine Age Oil Age Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum Lead Copper	ppm ppm ppm ppm ppm	Client Info Client Info Client Info Client Info Client Info ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>160 >5	01 Nov 2023 127613 102342 Not Changd NORMAL current 43	05 Apr 2023 101473 0 Not Changd NORMAL history1 39 <1	27 Sep 2022 76202 76202 Changed NORMAL history2 86
Machine Age Oil Age Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum Lead Copper	ppm ppm ppm ppm ppm	Client Info Client Info Client Info Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>160 >5	127613 102342 Not Changd NORMAL current 43 0	101473 0 Not Changd NORMAL history1 39 <1	76202 76202 Changed NORMAL history2
Oil Age Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum Lead Copper	ppm ppm ppm ppm ppm	Client Info Client Info method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>160 >5	102342 Not Changd NORMAL current 43 0	0 Not Changd NORMAL history1 39 <1	76202 Changed NORMAL history2
Oil Changed Sample Status WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum Lead Copper	ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>160 >5	Not Changd NORMAL current 43 0	Not Changd NORMAL history1 39 <1	Changed NORMAL history2
Sample Status WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum Lead Copper	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>160 >5	current 43 0	NORMAL history1 39 <1	NORMAL history2 86
WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum Lead Copper	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>160 >5	current 43 0	history1 39 <1	history2 86
Iron Chromium Nickel Titanium Silver Aluminum Lead Copper	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>160 >5	43 0	39 <1	86
Chromium Nickel Titanium Silver Aluminum Lead Copper	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>5	0	<1	
Nickel Titanium Silver Aluminum Lead Copper	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		_		0
Titanium Silver Aluminum Lead Copper	ppm ppm	ASTM D5185m ASTM D5185m	>5			
Silver Aluminum Lead Copper	ppm ppm	ASTM D5185m		0	<1	1
Aluminum Lead Copper	ppm			0	0	<1
Lead Copper		ACTM DE10E-	>5	0	0	<1
Copper	ppm	ASTM D5185m	>50	23	14	33
		ASTM D5185m	>50	17	20	32
Tin	ppm	ASTM D5185m	>225	22	12	15
	ppm	ASTM D5185m	>10	4	4	8
Vanadium	ppm	ASTM D5185m		0	0	2
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		90	115	99
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		2	1	2
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		14	7	0
Calcium	ppm	ASTM D5185m		151	109	54
Phosphorus	ppm	ASTM D5185m		262	262	264
Zinc	ppm	ASTM D5185m		55	40	0
Sulfur	ppm	ASTM D5185m		1598	1515	1255
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	4	6
Sodium	ppm	ASTM D5185m		5	3	6
Potassium	ppm	ASTM D5185m	>20	1	2	0
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2

Visc @ 40°C

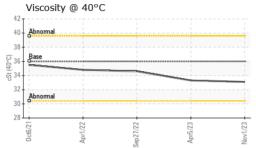
cSt

ASTM D445 36

34.6

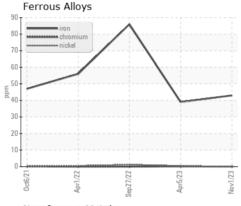


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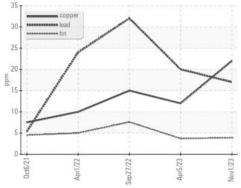


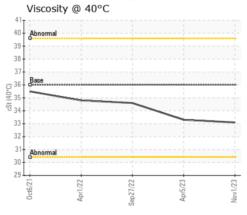
SAMPLE IMAGE	S method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Non-ferrous Metals









Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10727826

: PCA0103287 : 05999466 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 06 Nov 2023 : 08 Nov 2023 Diagnostician : Don Baldridge NW WHITE & CO - ANDERSON DIVISION 2605 RIVER RD PIEDMONT, SC

US 29673 Contact: James Threatt jthreatt@nwwhite.com

T: (864)918-4646

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

* - 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)