



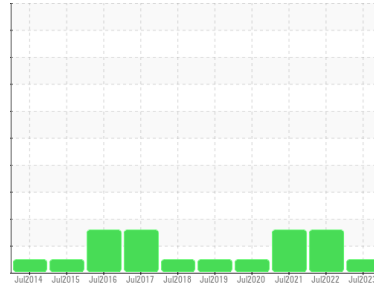
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
VOLVO 12695
 Component
Rear Differential
 Fluid
SHELL SPIRAX HD 75W90 (16 QTS)



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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0760400	WC0692799	WC0567164
Sample Date	Client Info		05 Jul 2023	12 Jul 2022	26 Jul 2021
Machine Age	mls	Client Info	605560	583510	542951
Oil Age	mls	Client Info	4450	280720	240164
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			NORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	26	121	108
Chromium	ppm	ASTM D5185m >10	<1	<1	1
Nickel	ppm	ASTM D5185m >10	<1	0	<1
Titanium	ppm	ASTM D5185m	0	<1	<1
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m >25	0	1	<1
Lead	ppm	ASTM D5185m >25	0	<1	0
Copper	ppm	ASTM D5185m >100	<1	2	1
Tin	ppm	ASTM D5185m >10	<1	<1	0
Antimony	ppm	ASTM D5185m >5	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	197	290	270
Barium	ppm	ASTM D5185m	0	4	0
Molybdenum	ppm	ASTM D5185m	<1	0	0
Manganese	ppm	ASTM D5185m	1	7	6
Magnesium	ppm	ASTM D5185m	0	0	0
Calcium	ppm	ASTM D5185m	13	2	1
Phosphorus	ppm	ASTM D5185m	1100	1431	1366
Zinc	ppm	ASTM D5185m	<1	9	4
Sulfur	ppm	ASTM D5185m	24694	26712	24847

CONTAMINANTS

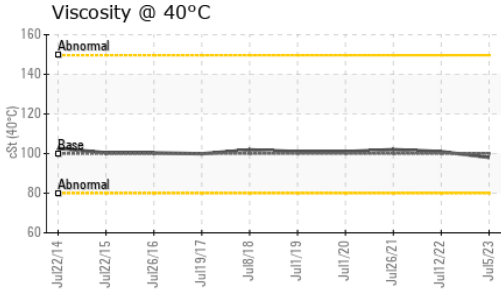
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	20	▲ 89	▲ 75
Sodium	ppm	ASTM D5185m	0	4	5
Potassium	ppm	ASTM D5185m >20	2	0	1

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 >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

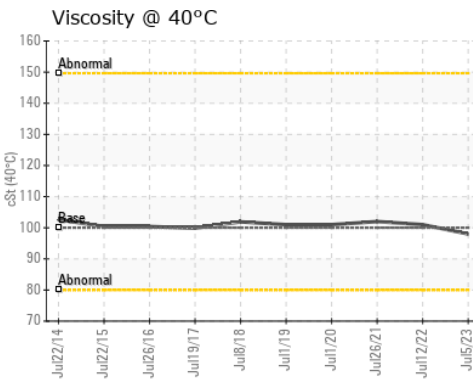
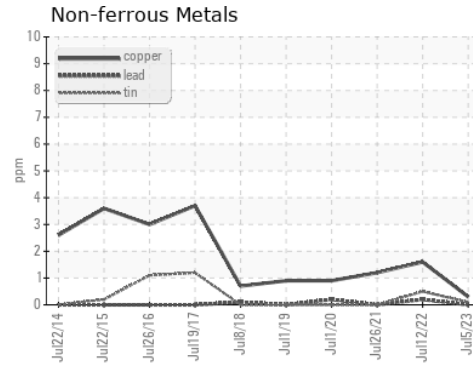
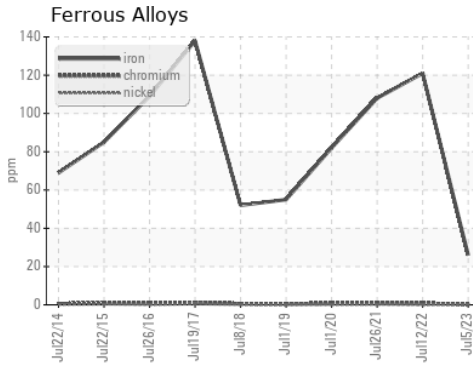


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	98.0	101	102

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0760400
Lab Number : 05900265
Unique Number : 10561621
Test Package : FLEET

NOKOMIS - PGT INDUSTRIES INC
 1044 ENDEAVOR CT
 NOKOMIS, FL
 US 34275
 Contact: BILL SCHULER
 wschuler@pgtindustries.com
 T: (800)282-6019
 F: (941)484-1833

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)