

Unit ID **Turbocompressor**
 Component **Lubricating oil**
 Current sample number **1700772**



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Example report
 Analysis scope: Analysis-Kit 3

Machine type: **Turbocompressor**
 Manufacturer: **Conpacksys-Loher**
 Oil brand name: **OMV turb TD 32**
 Oil quantity in system: **2000 l**

Diagnosis for the current laboratory values

Wear metals are only present in negligible concentrations. Hardly any abrasive or corrosive wear is therefore visible. We cannot detect significant oil oxidation. If no oil change has happened yet, it is possible to continue using the oil under similar operating conditions and under continuation of the usual maintenance schedule. I recommend that you send the next sample at the next service interval or at your regular inspection for trend analysis.

Dipl.-Ing. Stefan Mitterer

Sample Rating



normal

ANALYSIS RESULTS			Current sample	Previous samples		
LAB NUMBER			1700772	1700773	1700774	1700775
SAMPLE RATING						
Date tested			22.06.2023	14.12.2022	11.04.2022	13.12.2021
Date of sample taken			15.06.2023	08.12.2022	01.04.2022	06.12.2021
Date of last oil change			17.11.2021	17.11.2021	17.11.2021	17.11.2021
Top-up since change	l		600	350	200	0
Operating time since change	h		12850	9200	3500	300
Total operating time	h		12850	9200	3500	300
Oil changed			no	no	no	no
WEAR						
Iron	Fe	mg/kg	0	1	0	0
Chrom	Cr	mg/kg	0	0	0	0
Tin	Sn	mg/kg	0	0	0	0
Aluminum	Al	mg/kg	0	1	0	0
Nickel	Ni	mg/kg	0	0	0	0
Copper	Cu	mg/kg	0	0	0	0
Lead	Pb	mg/kg	0	0	0	0
Molybdenum	Mo	mg/kg	0	0	0	0
PQ index	-		< 25	< 25	< 25	< 25
CONTAMINATION						
Silicon	Si	mg/kg	0	0	0	0
Potassium	K	mg/kg	1	0	0	0
Sodium	Na	mg/kg	0	2	0	3
Water K. F.	ppm		< 30	< 30	< 30	87
OIL CONDITION						
Viscosity at 40°C	mm²/s		31.44	31.78	31.52	30.93
Viscosity at 100°C	mm²/s		5.26	5.26	5.20	5.25
Viscosity index	-		97	94	92	100
Oxidation	A/cm		2	2	2	2
IR index	-		99.72	99.66	99.74	99.87
Color	Color index		0.5	1.0	0.5	1.0
ADDITIVES						
Calcium	Ca	mg/kg	3	0	1	0
Magnesium	Mg	mg/kg	0	0	0	0
Boron	B	mg/kg	0	0	0	0
Zinc	Zn	mg/kg	6	1	2	0
Phosphorus	P	mg/kg	4	5	0	4
Barium	Ba	mg/kg	0	0	0	0
Sulphur	S	mg/kg	888	868	823	799
ADDITIONAL TESTS						
AN / NN	mgKOH/g		< 0.10	< 0.10	< 0.10	< 0.10

Bottle and cap



Infrared Spectrum

