

Unit ID **Turbine 2T**
 Component **Turbine**
 Current sample number **1705829**



OELCHECK GmbH · Kerschelweg 28 · 83098 Brannenburg

Oil brand name: **Turbinenöl ISO VG 46**
 Oil quantity in system: **850 l**

Example report
 Analysis scope: Turbine Oil Kit 2

Diagnosis for the current laboratory values

No wear metals present in the sample. 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. Andy Böhme (CLS)

Sample Rating



normal

ANALYSIS RESULTS			Current sample	Previous samples		
LAB NUMBER			1705829	1705830	1705831	1705832
SAMPLE RATING						
Date tested			27.09.2023	16.11.2022	02.02.2022	10.11.2020
Date of sample taken			17.09.2023	11.11.2022	24.01.2022	02.11.2020
Date of last oil change			-	-	-	-
Top-up since change			-	0	-	-
Operating time since change			-	-	-	30462
Total operating time	h		46206	38526	-	-
Oil changed			-	-	-	no
WEAR						
Iron	Fe	mg/kg	0	0	0	0
Chrom	Cr	mg/kg	0	0	0	0
Tin	Sn	mg/kg	0	0	0	0
Aluminum	Al	mg/kg	0	0	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
Manganese	Mn	mg/kg	0	0	0	0
PQ index	-		< 25	< 25	< 25	< 25
CONTAMINATION						
Silicon	Si	mg/kg	1	0	1	0
Potassium	K	mg/kg	1	0	0	0
Sodium	Na	mg/kg	0	0	0	0
Lithium	Li	mg/kg	0	0	0	0
Water	%		< 0.10	< 0.10	< 0.10	< 0.10
OIL CONDITION						
Viscosity at 40°C	mm²/s		48.84	48.72	48.76	48.22
Viscosity at 100°C	mm²/s		7.85	7.89	7.89	7.84
Viscosity index	-		129	131	131	131
Oxidation	A/cm		1	1	1	1
Oxidation index	-		< 5	-	< 5	-
IR index	-		99.89	99.41	99.61	99.91
Color	Color index		3.5	3.0	2.5	2.5
ADDITIVES						
Calcium	Ca	mg/kg	0	0	2	0
Magnesium	Mg	mg/kg	0	0	0	0
Boron	B	mg/kg	0	0	0	0
Zinc	Zn	mg/kg	0	0	0	0
Phosphorus	P	mg/kg	8	5	7	6
Barium	Ba	mg/kg	0	0	0	0
Sulphur	S	mg/kg	115	109	116	107
ADDITIONAL TESTS						
AN / NN	mgKOH/g		< 0.10	< 0.10	< 0.10	< 0.10
Phenolic antioxidant FT-IR	%		24.4	30.4	27.0	29.9

Bottle and cap



Infrared Spectrum

